

=> d his nofile

(FILE 'HOME' ENTERED AT 15:58:01 ON 31 MAY 2006)

FILE 'REGISTRY' ENTERED AT 15:58:06 ON 31 MAY 2006

L1 STRUCTURE uploaded

L2 1 SEA SSS SAM L1

L3 D SCAN

L4 36 SEA SSS FUL L1

FILE 'CAPLUS' ENTERED AT 15:59:48 ON 31 MAY 2006

L5 17 SEA ABB=ON PLU=ON L3

FILE 'REGISTRY' ENTERED AT 16:00:00 ON 31 MAY 2006

L6 STRUCTURE uploaded

L7 15 SEA SSS SAM L5

L8 298 SEA SSS FUL L5

FILE 'CAPLUS' ENTERED AT 16:03:29 ON 31 MAY 2006

L9 63 SEA ABB=ON PLU=ON L7

FILE 'REGISTRY' ENTERED AT 16:03:36 ON 31 MAY 2006

L10 STRUCTURE uploaded

L11 9 SEA SSS SAM L9

L12 223 SEA SSS FUL L9

FILE 'CAPLUS' ENTERED AT 16:04:23 ON 31 MAY 2006

L13 427 SEA ABB=ON PLU=ON L11

FILE 'REGISTRY' ENTERED AT 16:04:28 ON 31 MAY 2006

L14 STRUCTURE uploaded

L15 6 SEA SSS SAM L13

L16 109 SEA SSS FUL L13

FILE 'CAPLUS' ENTERED AT 16:05:30 ON 31 MAY 2006

L17 155 SEA ABB=ON PLU=ON L15

FILE 'REGISTRY' ENTERED AT 16:06:32 ON 31 MAY 2006

L18 19 SEA ABB=ON PLU=ON (L3 AND (L7 OR L11 OR L15)) OR (L7 AND (L11 OR L15)) OR (L11 AND L15)

FILE 'CAPLUS' ENTERED AT 16:08:32 ON 31 MAY 2006

L19 13 SEA ABB=ON PLU=ON L17

L20 56 SEA ABB=ON PLU=ON (L4 AND (L8 OR L12 OR L16)) OR (L8 AND (L12 OR L16)) OR (L12 AND L16)

L21 543 S (L4 AND L8 OR L12 OR L16)

L22 12 SEA ABB=ON PLU=ON L4 AND (L8 OR L12 OR L16)

L23 21 SEA ABB=ON PLU=ON L8 AND ((L12 OR L16))

L24 44 SEA ABB=ON PLU=ON L12 AND L16

L25 16 SEA ABB=ON PLU=ON (L21 AND (L22 OR L23)) OR (L22 AND L23)

FILE 'REGISTRY' ENTERED AT 16:13:50 ON 31 MAY 2006

L26 7 SEA ABB=ON PLU=ON (L3 AND (L7 OR L11 OR L15))

L27 11 SEA ABB=ON PLU=ON (L7 AND (L11 OR L15))

L28 7 SEA ABB=ON PLU=ON (L11 AND L15)

L29 5 SEA ABB=ON PLU=ON (L25 AND (L26 OR L27)) OR (L26 AND L27)

D SCAN

FILE 'CAPLUS' ENTERED AT 16:15:32 ON 31 MAY 2006
E US2004-516674/APPS

L29 1 SEA ABB=ON PLU=ON US2004-516674/AP
SEL RN L29

FILE 'REGISTRY' ENTERED AT 16:16:25 ON 31 MAY 2006

L30 6 SEA ABB=ON PLU=ON (133855-98-8/BI OR 175013-18-0/BI OR
221201-92-9/BI OR 636603-36-6/BI OR 636603-37-7/BI OR 636603-38
-8/BI)
D SCAN

L31 2 SEA ABB=ON PLU=ON L30 AND L28

L32 0 SEA ABB=ON PLU=ON L19 NOT L18

FILE 'CAPLUS' ENTERED AT 16:18:41 ON 31 MAY 2006

L33 43 SEA ABB=ON PLU=ON L19 NOT L18

L34 1 SEA ABB=ON PLU=ON L33 NOT (PY>2002 OR AY>2002 OR PRY>2002)

L35 14 SEA ABB=ON PLU=ON (L18 OR L34)

L36 26 SEA ABB=ON PLU=ON (L35 OR L24)
E AMMERMANN E/AU

L37 583 SEA ABB=ON PLU=ON ("AMMERMANN E"/AU OR "AMMERMANN EBERHARD"/A
U OR "AMMERMANN EBERHARD DR"/AU OR "AMMERMANN ERBERHARD"/AU)
E STIERL R/AU

L38 197 SEA ABB=ON PLU=ON ("STIERL R"/AU OR "STIERL REINHARD"/AU OR
"STIERL RHEINHARD"/AU)
E SCHOFL U/AU

L39 3 SEA ABB=ON PLU=ON ("SCHOFL U"/AU OR "SCHOFL U A"/AU OR
"SCHOFL ULRICH"/AU)
E STRATHMANN S/AU

L40 353 SEA ABB=ON PLU=ON ("STRATHMANN S"/AU OR "STRATHMANN SIEGFRIED
"/AU OR "STRATHMANN SIEGRIED"/AU)
E SCHELBERGER K/AU

L41 123 SEA ABB=ON PLU=ON ("SCHELBERGER K"/AU OR "SCHELBERGER
KLAUS"/AU)
E SCHERER M/AU

L42 264 SEA ABB=ON PLU=ON ("SCHERER M"/AU OR "SCHERER M A"/AU OR
"SCHERER M DON"/AU OR "SCHERER M M"/AU OR "SCHERER M N"/AU OR
"SCHERER M S"/AU OR "SCHERER M T"/AU OR "SCHERER MARIA"/AU)
E HADEN E/AU

L43 34 SEA ABB=ON PLU=ON ("HADEN E"/AU OR "HADEN EGON"/AU)

L44 376 SEA ABB=ON PLU=ON (L37 AND (L38 OR L39 OR L40 OR L41 OR L42
OR L43)) OR (L38 AND (L39 OR L40 OR L41 OR L42 OR L43)) OR
(L39 AND (L40 OR L41 OR L42 OR L43)) OR (L40 AND (L41 OR L42
OR L43)) OR (L41 AND (L42 OR L43)) OR (L42 AND L43)

L45 119 SEA ABB=ON PLU=ON L44 NOT (PY>2002 OR AY>2002 OR PRY>2002)

L46 373 SEA ABB=ON PLU=ON L44 AND FUNG?/OBI

L47 119 SEA ABB=ON PLU=ON L45 AND FUNG?/OBI

L48 59 SEA ABB=ON PLU=ON L46 AND (BENZ?/OBI OR AZOL?/OBI)

L49 89 SEA ABB=ON PLU=ON L46 AND (BENZ? OR AZOL?)/BI

L50 89 SEA ABB=ON PLU=ON (L48 OR L49)

L51 31 SEA ABB=ON PLU=ON L50 NOT (PY>2002 OR AY>2002 OR PRY>2002)

=> file caplus

FILE 'CAPLUS' ENTERED AT 16:31:26 ON 31 MAY 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is

ST Section cross-reference(s): 5
 pyrimidyl **benzyl** ether prep **fungicide** pesticide

IT Acaricides
Fungicides
 Insecticides
 Nematocides
 Pesticides
 (preparation of pyrimidyl Ph and **benzyl** ethers as
fungicides and pesticides)

IT 159037-50-0P 197140-51-5P 197140-52-6P 197140-53-7P,
 4-Hydroxy-2-ethyl-6-acetylpyrimidine 197140-54-8P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (intermediate; preparation of pyrimidyl Ph and **benzyl** ethers as
fungicides and pesticides)

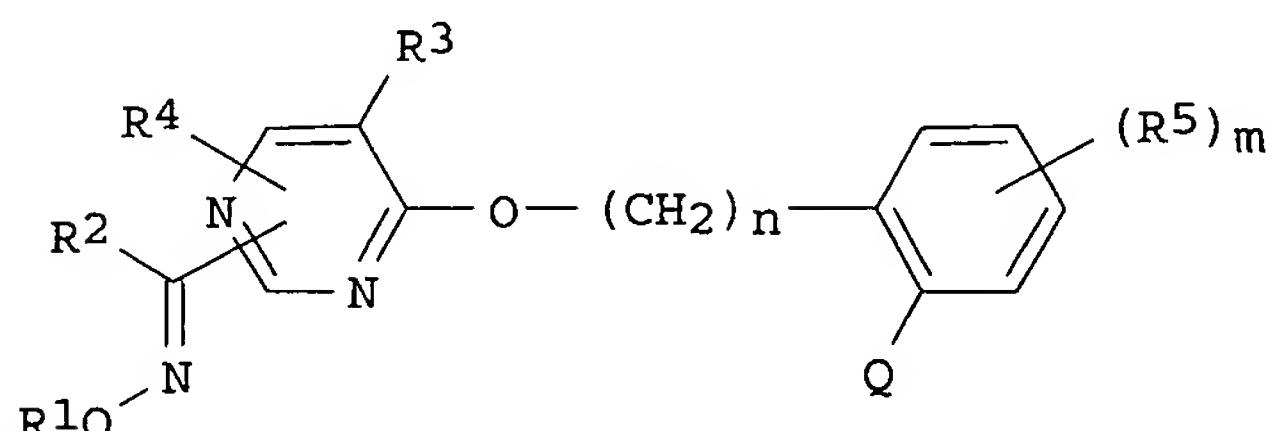
IT 197139-85-8P 197139-88-1P 197139-91-6P 197139-94-9P 197139-97-2P
 197140-00-4P 197140-03-7P 197140-06-0P 197140-09-3P 197140-12-8P
 197140-15-1P 197140-18-4P 197140-21-9P 197140-22-0P 197140-25-3P
 197140-26-4P 197140-27-5P 197140-28-6P 197140-29-7P 197140-30-0P
 197140-31-1P 197140-32-2P 197140-33-3P 197140-34-4P 197140-35-5P
 197140-36-6P 197140-37-7P 197140-38-8P 197140-39-9P 197140-40-2P
 197140-41-3P 197140-42-4P 197140-43-5P 197140-44-6P 197140-45-7P
 197140-46-8P 197140-47-9P 197140-48-0P 197140-49-1P 197140-50-4P
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except
 adverse); BSU (Biological study, unclassified); SPN (Synthetic
 preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of pyrimidyl Ph and **benzyl** ethers as
fungicides and pesticides)

IT 105-58-8, Diethyl carbonate 2687-43-6, **Benzyl**oxyamine
 hydrochloride 3599-89-1, Propionamidine hydrochloride 57308-62-0,
 2-Methyl-2-acetyl-1,3-dioxolane 133409-72-0, (E)-Methyl
 2-(methoxyimino)-2-[2-(bromomethyl)phenyl]acetate 197140-55-9,
 4-Hydroxy-2-acetylpyrimidine hydrochloride
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (starting material; preparation of pyrimidyl Ph and **benzyl** ethers
 as **fungicides** and pesticides)

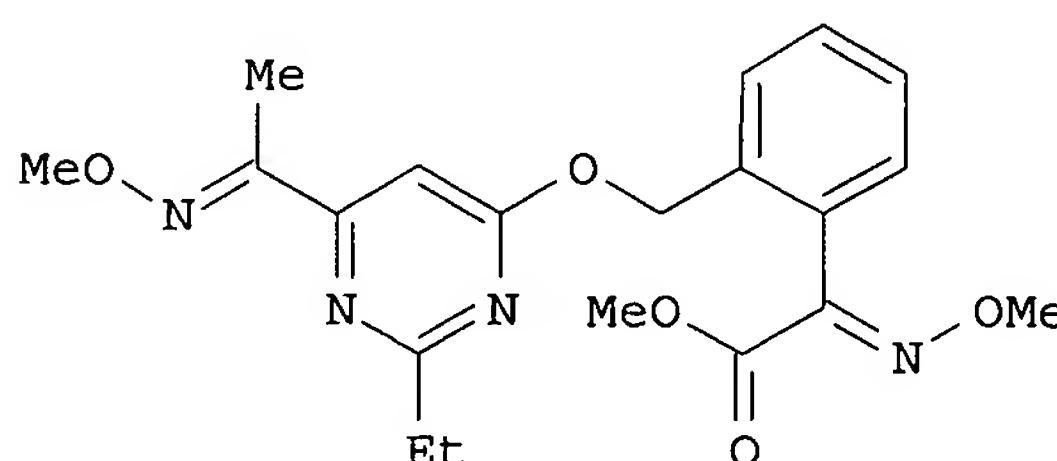
L51 ANSWER 24 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1997:568085 CAPLUS
 DOCUMENT NUMBER: 127:234254
 TITLE: Preparation of 2-[(6-(1-alkoximinoalkyl)-2-
 pyridyl)oxy(methyl)]- α -
 (alkoximino)phenylacetates and analogs as agrochemical
fungicides
 INVENTOR(S): Oberdorf, Klaus; Grammenos, Wassilios; Sauter, Hubert;
 Grote, Thomas; Muller, Bernd; Kirstgen, Reinhard;
 Muller, Ruth; Bayer, Herbert; Ptock, Arne; Rack,
 Michael; Harreus, Albrecht; Rohl, Franz; Lorenz,
 Gisela; Ammermann, Eberhard;
 Strathmann, Siegfried; Harries, Volker
 PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
 SOURCE: PCT Int. Appl., 111 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------|------|------|-----------------|------|
|------------|------|------|-----------------|------|

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|--|----------|------------------|------------|
| WO 9733874 | A1 | 19970918 | WO 1997-EP1123 | 19970306 |
| W: AU, BG, BR, CA, CN, CZ, GE, HU, IL, JP, KR, LV, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TR, UA, US, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| DE 19609618 | A1 | 19970918 | DE 1996-19609618 | 19960312 |
| AU 9720956 | A1 | 19971001 | AU 1997-20956 | 19970306 |
| EP 888311 | A1 | 19990107 | EP 1997-906176 | 19970306 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, FI | | | | |
| JP 2000506179 | T2 | 20000523 | JP 1997-532253 | 19970306 |
| ZA 9702072 | A | 19980911 | ZA 1997-2072 | 19970311 |
| US 6153560 | A | 20001128 | US 1998-142687 | 19980909 |
| PRIORITY APPLN. INFO.: | | | DE 1996-19609618 | A 19960312 |
| | | | WO 1997-EP1123 | W 19970306 |
| OTHER SOURCE(S): | CASREACT 127:293239; MARPAT 127:293239 | | | |
| GI | | | | |



I

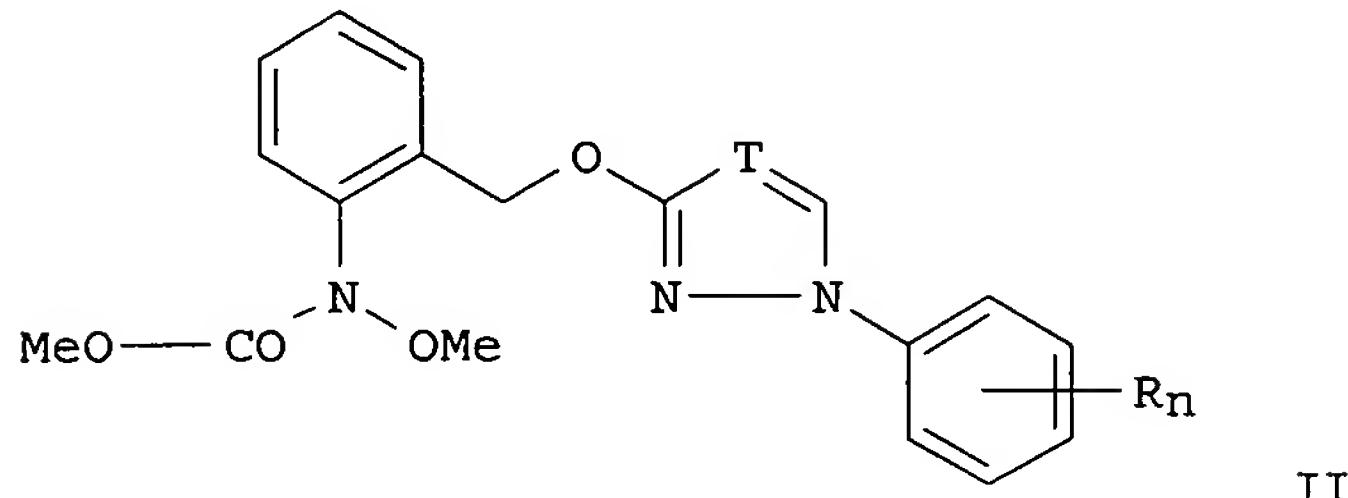
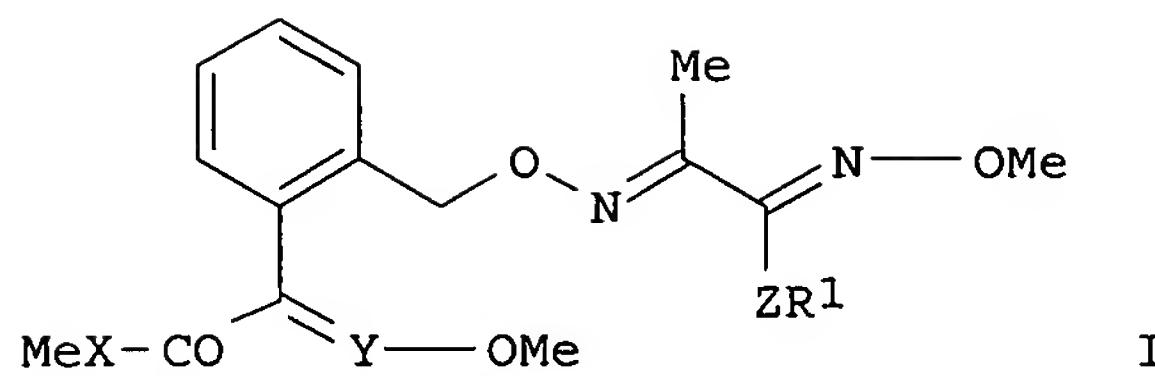


II

AB Pyrimidyl Ph and **benzyl** ethers I and their salts and N-oxides are disclosed [in which Q = C(CO₂Me) : CHMe, C(CO₂Me) : CHOMe, C(CONHMe) : CHOMe, C(CONH₂) : NOME, C(CONHMe) : NOME or N(OMe)CO₂Me; n = 0 or 1; R₁ = H, organic radical bonded via a C atom; R₂ = H, cyano, halo, or an organic radical bonded via C, O, S, or N; R₃ = H, halo, alkyl, or haloalkyl; R₄ = H, cyano, nitro, halo, or an organic radical bonded via C, O, S, or N; m = 0-3, where the radicals R₅ may be different if m is 2 or 3; R₅ = cyano, halo, alkyl, haloalkyl, alkoxy], as well as processes and intermediates for their production, and their use as pesticides (no data) and fungicides. Forty compds. (all with n = 1) were prepared. For instance, etherification of 4-hydroxy-2-ethyl-6-acetylpyrimidine with (E)-Me 2-(methoxyimino)-2-[2-(bromomethyl)phenyl]acetate using K₂CO₃ in DMF, followed by oximation of the acetyl group with MeONH₂.HCl in MeOH, gave title compound II. In a test against *Plasmopara viticola* on grapevine, II at 250 ppm reduced infection to 15% or less, vs. 80% infection for untreated controls.

IC ICM C07D239-32
ICS A01N043-54

CC 28-16 (Heterocyclic Compounds (More Than One Hetero Atom))



AB Fungicidal mixts. contain in a synergistically effective amount an oxime ether I [X = O or NH; Y = CH or N; Z = O, S, NH or alkylamino; R1 = (halo)alkyl, (halo)alkenyl, (halo)alkynyl, cycloalkylmethyl, **benzyl**, etc.]; carbamates II [T = CH or N, n is 0, 1 or 2; and R = halo or (halo)alkyl] and Captan or Folpet.

IC ICM A01N037-52

ICS A01N047-24; A01N037-52; A01N047-02; A01N047-24; A01N047-02

CC 5-2 (Agrochemical Bioregulators)

ST carbamate oxime ether synergism **fungicide**

IT **Fungicides**

(synergistic; carbamate- and oxime ether-containing compns.)

IT 198623-89-1 198623-90-4 198623-91-5 198623-92-6 198623-93-7

198623-94-8 198623-95-9 198623-96-0

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic **fungicide**)

IT 133-06-2D, Captan, mixts. containing 133-07-3D, Folpet, mixts. containing
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic **fungicides**)

L51 ANSWER 23 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1997:623155 CAPLUS

DOCUMENT NUMBER: 127:293239

TITLE: Pyrimidyl phenyl and **benzyl** ethers, process
and intermediate products for their production, and
their use as **fungicides** and pesticides

INVENTOR(S): Oberdorf, Klaus; Grammenos, Wassilius; Sauter, Hubert;
Grote, Thomas; Muller, Bernd; Kirstgen, Reinhard;
Bayer, Herbert; Ptock, Arne; Rack, Michael; Harreus,
Albrecht; Rohl, Franz; Ammermann, Eberhard;
Harries, Volker; Lorenz, Gisela; Strathmann,
Siegfried

PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany

SOURCE: PCT Int. Appl., 106 pp.

CODEN: PIIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

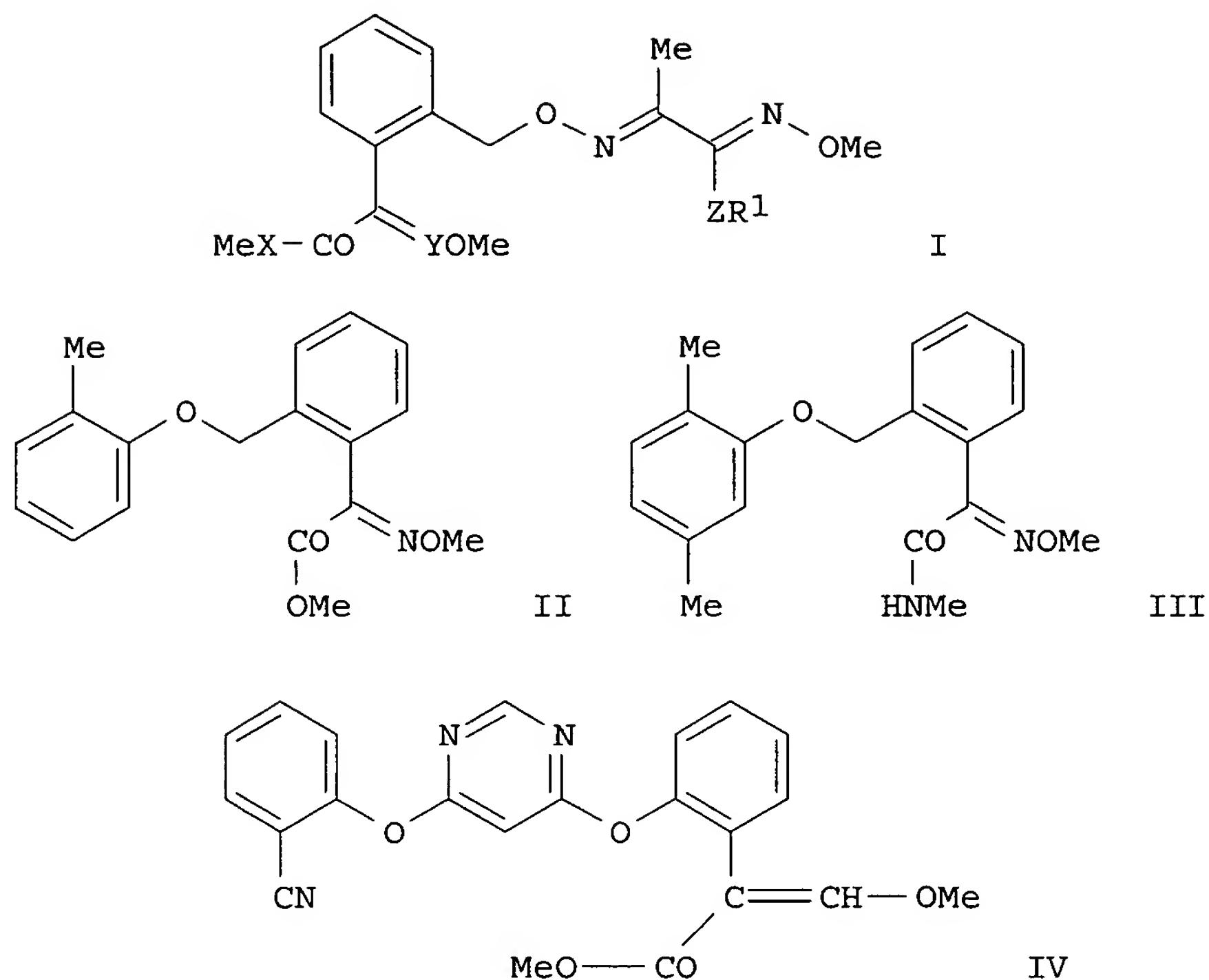
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

119446-68-3D, Difenoconazole, mixts. with oxime ethers 125116-23-6D, Metconazole, mixts. with oxime ethers 133855-98-8D, Epoxiconazole, mixts. with oxime ethers 136426-54-5D, Fluquinconazole, mixts. with oxime ethers 144167-04-4D, mixts. with oxime ethers 145451-07-6D, mixts. with oxime ethers 152542-38-6D, mixts. with oxime ethers
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (synergistic fungicides)

L51 ANSWER 22 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1997:740066 CAPLUS
 DOCUMENT NUMBER: 127:356178
 TITLE: Synergistic fungicidal mixtures
 INVENTOR(S): Mueller, Ruth; Bayer, Herbert; Sauter, Hubert;
 Ammermann, Eberhard; Lorenz, Gisela;
 Strathmann, Siegfried; Schelberger,
 Klaus; Scherer, Maria; Leyendecker,
 Joachim; Mueller, Bernd
 PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
 SOURCE: PCT Int. Appl., 27 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|-------------------|----------|------------------|------------|
| WO 9740672 | A1 | 19971106 | WO 1997-EP1668 | 19970403 |
| W: AU, BG, BR, CA, CN, CZ, GE, HU, IL, JP, KR, LV, MX, NO, NZ, PL, RO, SG, SI, SK, TR, UA, US, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| CA 2252534 | AA | 19971106 | CA 1997-2252534 | 19970403 |
| AU 9725081 | A1 | 19971119 | AU 1997-25081 | 19970403 |
| AU 732286 | B2 | 20010412 | | |
| EP 900008 | A1 | 19990310 | EP 1997-916430 | 19970403 |
| EP 900008 | B1 | 20020703 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, SI, FI | | | | |
| CN 1216441 | A | 19990512 | CN 1997-194055 | 19970403 |
| BR 9708831 | A | 19990803 | BR 1997-8831 | 19970403 |
| NZ 332099 | A | 20000327 | NZ 1997-332099 | 19970403 |
| JP 2000509048 | T2 | 20000718 | JP 1997-538488 | 19970403 |
| IL 126233 | A1 | 20001206 | IL 1997-126233 | 19970403 |
| AT 219882 | E | 20020715 | AT 1997-916430 | 19970403 |
| ZA 9703534 | A | 19981026 | ZA 1997-3534 | 19970424 |
| MX 9808774 | A | 20000531 | MX 1998-8774 | 19981022 |
| US 6083970 | A | 20000704 | US 1998-171602 | 19981022 |
| PRIORITY APPLN. INFO.: | | | DE 1996-19616684 | A 19960426 |
| | | | DE 1996-19617233 | A 19960430 |
| | | | DE 1996-19635518 | A 19960902 |
| | | | WO 1997-EP1668 | W 19970403 |
| OTHER SOURCE(S): | MARPAT 127:356178 | | | |
| GI | | | | |



AB This invention concerns a fungicide mixture containing in a synergistically effective amount an oxime ether I [X = O or NH; Y = CH or N; Z = O, S, NH or alkyl amino; R1 = (halo)alkyl, (halo)alkenyl, (halo)alkynyl, cycloalkylmethyl or (un)substituted **benzyl**] and at least one compound selected from the oxime ether carboxylic acid ester II, the oxime ether carboxylic acid amide III and the methoxyacrylic acid ester IV, and/or one or more **azole** derivative

IC ICM A01N037-52
ICS A01N037-52; A01N055-00; A01N047-38; A01N043-653; A01N043-54; A01N037-50

CC 5-2 (Agrochemical Bioregulators)

ST oxime ether compn **fungicide** synergism

IT **Fungicides**
(synergistic; oxime ether-containing compns.)

IT 198956-72-8 198956-73-9 198956-74-0 198956-75-1 198956-76-2
198956-77-3 198956-78-4 198956-79-5
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic **fungicide**)

IT 60207-90-1D, Propiconazole, mixts. with oxime ethers 67747-09-5D, Prochloraz, mixts. with oxime ethers 68694-11-1D, Triflumizole, mixts. with oxime ethers 76674-21-0D, Flutriafol, mixts. with oxime ethers 79983-71-4D, Hexaconazole, mixts. with oxime ethers 83657-24-3D, Diniconazole, mixts. with oxime ethers 85509-19-9D, Flusilazole, mixts. with oxime ethers 88671-89-0D, Myclobutanil, mixts. with oxime ethers 94361-06-5D, Cyproconazole, mixts. with oxime ethers 107534-96-3D, Tebuconazole, mixts. with oxime ethers 112281-77-3D, Tetraconazole, mixts. with oxime ethers 114369-43-6D, Fenbuconazole, mixts. with oxime ethers 116255-48-2D, Bromuconazole, mixts. with oxime ethers

AB This invention concerns fungicide mixts. containing in a synergistically effective amount an oxime ether I [X = O or NH; Y = CH or N; Z = O, S, NH or alkyl amino; R1 = (halo)alkyl, (halo)alkenyl, (halo)alkynyl, cycloalkylmethyl, **benzyl**, etc.] and/or a carbamate II [T = CH or N; n = 0, 1 or 2; R = halo or (halo)alkyl] and fenarimol.

IC ICM A01N037-52
ICS A01N047-24; A01N037-52; A01N043-54; A01N047-24; A01N043-54

CC 5-2 (Agrochemical Bioregulators)

ST synergism **fungicide** carbamate oxime ether fenarimol

IT **Fungicides**
(synergistic; fenarimol-contg, mixts.)

IT 198471-97-5 198471-98-6
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic **fungicide**)

IT 60168-88-9D, Fenarimol, mixts. containing
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic **fungicides**)

L51 ANSWER 21 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1997:740068 CAPLUS
DOCUMENT NUMBER: 128:11108
TITLE: Synergistic **fungicide** mixtures
INVENTOR(S): Mueller, Ruth; Bayer, Herbert; Sauter, Hubert;
Ammermann, Eberhard; Lorenz, Gisela;
Strathmann, Siegfried; Schelberger,
Klaus; Saur, Reinhold
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 35 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------------------|----------|------------------|------------|
| WO 9740674 | A1 | 19971106 | WO 1997-EP2020 | 19970422 |
| W: AU, BG, BR, CA, CN, CZ, GE, HU, IL, JP, KR, LV, MX, NO, NZ, PL, RO, SG, SI, SK, TR, UA, US, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| AU 9727007 | A1 | 19971119 | AU 1997-27007 | 19970422 |
| EP 900010 | A1 | 19990310 | EP 1997-920734 | 19970422 |
| EP 900010 | B1 | 20020403 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, FI | | | | |
| JP 2000509054 | T2 | 20000718 | JP 1997-538536 | 19970422 |
| AT 215308 | E | 20020415 | AT 1997-920734 | 19970422 |
| ZA 9703621 | A | 19990412 | ZA 1997-3621 | 19970425 |
| US 6211236 | B1 | 20010403 | US 1998-171619 | 19981022 |
| PRIORITY APPLN. INFO.: | | | DE 1996-19616722 | A 19960426 |
| | | | DE 1996-19616725 | A 19960426 |
| | | | DE 1996-19617073 | A 19960429 |
| | | | DE 1996-19635507 | A 19960902 |
| | | | DE 1996-19635512 | A 19960902 |
| | | | DE 1996-19635513 | A 19960902 |
| | | | WO 1997-EP2020 | W 19970422 |
| OTHER SOURCE(S): | MARPAT 128:11108 | | | |
| GI | | | | |

Ammermann, Eberhard; Lorenz, Gisela;
 Strathmann, Siegfried; Schelberger,
 Klaus; Mappes, Dietrich; Leyendecker, Joachim;
 Mueller, Bernd

PATENT ASSIGNEE(S) : BASF Aktiengesellschaft, Germany

SOURCE : PCT Int. Appl., 22 pp.

DOCUMENT TYPE : Patent

LANGUAGE : German

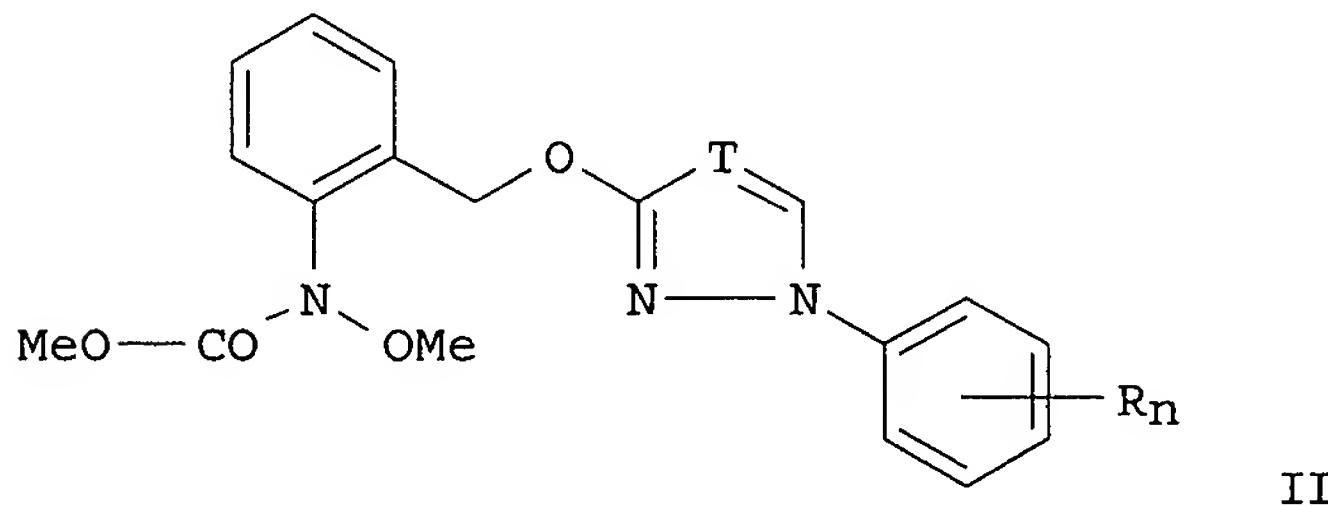
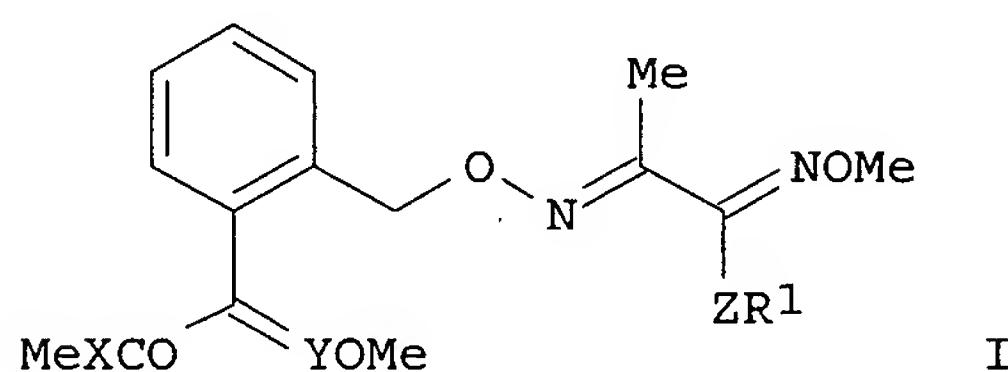
FAMILY ACC. NUM. COUNT : 1

PATENT INFORMATION :

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|------------------|------------|
| WO 9740675 | A1 | 19971106 | WO 1997-EP2021 | 19970422 |
| W: AU, BG, BR, CA, CN, CZ, GE, HU, IL, JP, KR, LV, MX, NO, NZ, PL, RO, SG, SI, SK, TR, UA, US, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| CA 2252639 | AA | 19971106 | CA 1997-2252639 | 19970422 |
| AU 9727668 | A1 | 19971119 | AU 1997-27668 | 19970422 |
| AU 732287 | B2 | 20010412 | | |
| EP 900012 | A1 | 19990310 | EP 1997-921687 | 19970422 |
| EP 900012 | B1 | 20020327 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, SI | | | | |
| CN 1216437 | A | 19990512 | CN 1997-194011 | 19970422 |
| BR 9708827 | A | 19990803 | BR 1997-8827 | 19970422 |
| NZ 331767 | A | 20000228 | NZ 1997-331767 | 19970422 |
| JP 2000509381 | T2 | 20000725 | JP 1997-538537 | 19970422 |
| AT 214875 | E | 20020415 | AT 1997-921687 | 19970422 |
| ZA 9703531 | A | 19981024 | ZA 1997-3531 | 19970424 |
| US 6194417 | B1 | 20010227 | US 1998-155089 | 19980921 |
| PRIORITY APPLN. INFO.: | | | DE 1996-19616682 | A 19960426 |
| | | | DE 1996-19617235 | A 19960430 |
| | | | DE 1996-19635510 | A 19960902 |
| | | | WO 1997-EP2021 | W 19970422 |

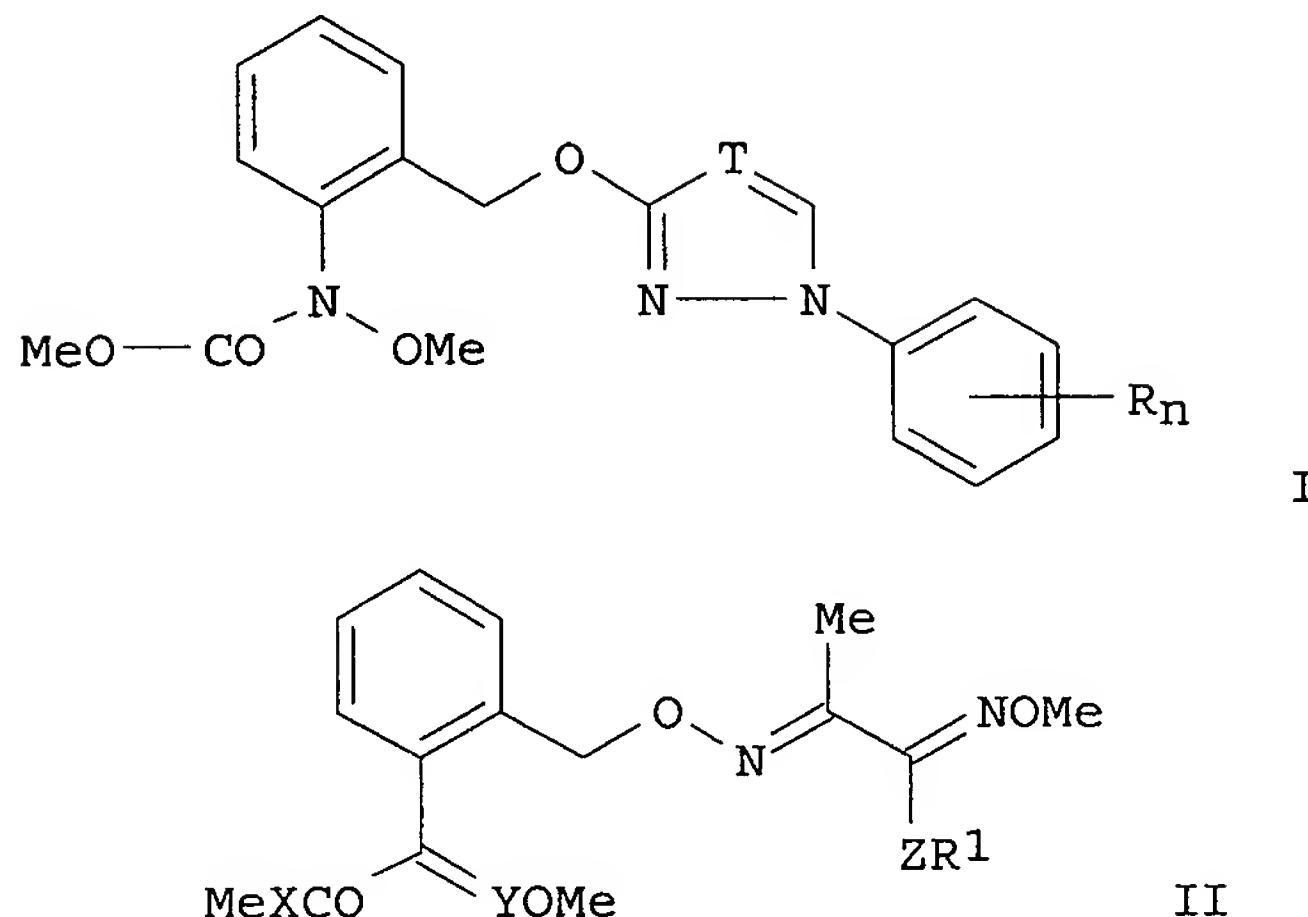
OTHER SOURCE (S) : MARPAT 127:356179

GI



| | | | | |
|------------------------|----|----------|------------------|------------|
| PT 900013 | T | 20020228 | PT 1997-921703 | 19970423 |
| TW 422682 | B | 20010221 | TW 1997-86105486 | 19970426 |
| US 6083946 | A | 20000704 | US 1998-171601 | 19981022 |
| GR 3036604 | T3 | 20011231 | GR 2001-401465 | 20010912 |
| PRIORITY APPLN. INFO.: | | | | |
| | | | DE 1996-19616681 | A 19960426 |
| | | | DE 1996-19616688 | A 19960426 |
| | | | DE 1996-19635504 | A 19960902 |
| | | | WO 1997-EP2044 | W 19970423 |

OTHER SOURCE(S) : MARPAT 127:356180
GI



AB This invention concerns a fungicide mixture containing, in synergistically effective quantities, a carbamate I [T = CH or N; n = 0, 1 or 2; R = halo or (halo)alkyl] and/or an oxime ether II [X = O or NH; Y = CH or N; Z is O, S, NH or alkyl amino; R1 = (halo)alkyl, (halo)alkenyl, (halo)alkynyl, cycloalkylmethyl, **benzyl**, etc.] and an acaricide, i.e. fenazaquin, tebufenpyrad, pyridaben or fenpyroximate.

IC ICM A01N037-52
ICS A01N047-24; A01N037-52; A01N043-58; A01N043-56; A01N043-54; A01N047-24; A01N043-58; A01N043-56; A01N043-54

CC 5-2 (Agrochemical Bioregulators)

ST synergism **fungicide** carbamate oxime ether

IT **Fungicides**
(synergistic; compns. containing carbamate and/or oxime ether)

IT 198545-33-4 198545-34-5 198545-35-6 198545-36-7 198545-37-8
198545-38-9 198545-39-0 198545-40-3 198545-42-5 198545-43-6

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic **fungicide**)

IT 96489-71-3D, Pyridaben, mixts. containing 119168-77-3D, Tebufenpyrad, mixts. containing 120928-09-8D, Fenazaquin, mixts. containing 134098-61-6D, Fenpyroximate., mixts. containing
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic **fungicides**)

L51 ANSWER 20 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1997:740069 CAPLUS

DOCUMENT NUMBER: 127:356179

TITLE: Synergistic **fungicide** mixtures

INVENTOR(S): Mueller, Ruth; Bayer, Herbert; Sauter, Hubert;

AB This invention concerns a fungicide mixture containing in a synergistically effective amount an oxime ether I [X = O or NH; Y = CH or N; Z is O, S, NH or (halo)alkyl; R1 =(halo)alkyl, (halo)alkenyl, (halo)alkynyl, cycloalkylmethyl, **benzyl**, etc.] and a dithiocarbamate, i.e. mancozeb, maneb, metiram or zineb, and/or cymoxanil.

IC ICM A01N037-52
ICS A01N037-52; A01N047-34; A01N047-14

CC 5-2 (Agrochemical Bioregulators)

ST synergism **fungicide** carbamate ditiocarbamate cymoxanil

IT **Fungicides**
(synergistic; carbamate- and/or ditiocarbamate-containing compns.)

IT 198555-29-2 198555-31-6 198555-33-8 198555-35-0 198555-38-3
198555-40-7
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic **fungicide**)

IT 8018-01-7D, Mancozeb, mixts. containing 12122-67-7D, Zineb, mixts. containing 12427-38-2D, Maneb, mixts. containing 12544-84-2D, mixts. containing 57966-95-7D, Cymoxanil, mixts. containing
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic **fungicides**)

L51 ANSWER 19 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1997:740070 CAPLUS
DOCUMENT NUMBER: 127:356180
TITLE: Synergistic **fungicide** mixtures
INVENTOR(S): Mueller, Bernd; Sauter, Hubert; Ammermann, Eberhard; Lorenz, Gisela; Strathmann, Siegfried; Schelberger, Klaus; Scherer, Maria; Mappes, Dietrich; Bayer, Herbert; Mueller, Ruth
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 30 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

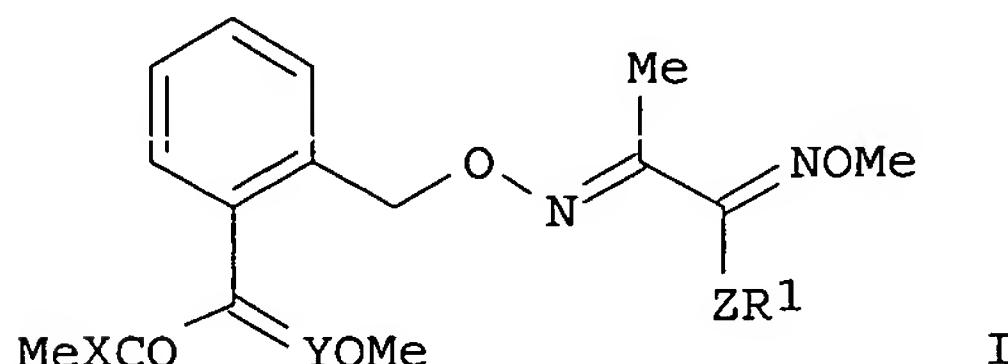
| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------|
| WO 9740676 | A1 | 19971106 | WO 1997-EP2044 | 19970423 |
| W: AU, BG, BR, CA, CN, CZ, GE, HU, IL, JP, KR, LV, MX, NO, NZ, PL, RO, SG, SI, SK, TR, UA, US, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| CA 2252684 | AA | 19971106 | CA 1997-2252684 | 19970423 |
| AU 9727681 | A1 | 19971119 | AU 1997-27681 | 19970423 |
| AU 732261 | B2 | 20010412 | | |
| ZA 9703475 | A | 19981023 | ZA 1997-3475 | 19970423 |
| EP 900013 | A1 | 19990310 | EP 1997-921703 | 19970423 |
| EP 900013 | B1 | 20010829 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, SI | | | | |
| CN 1216439 | A | 19990512 | CN 1997-194052 | 19970423 |
| BR 9708871 | A | 19990803 | BR 1997-8871 | 19970423 |
| NZ 332078 | A | 20000526 | NZ 1997-332078 | 19970423 |
| JP 2000509059 | T2 | 20000718 | JP 1997-538547 | 19970423 |
| IL 126234 | A1 | 20010128 | IL 1997-126234 | 19970423 |
| AT 204706 | E | 20010915 | AT 1997-921703 | 19970423 |
| ES 2163762 | T3 | 20020201 | ES 1997-921703 | 19970423 |

ICS A01N047-24; A01N037-52; A01N047-12; A01N047-24; A01N047-12
 CC 5-2 (Agrochemical Bioregulators)
 ST synergism fungicide carbamate oxime ether mixt
 IT Fungicides
 (synergistic; carbamate and oxime ether mixts.)
 IT 198884-07-0 198884-09-2
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (synergistic fungicide)
 IT 24579-73-5D, Propamocarb, mixts. with carbamates and/or oxime ethers
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (synergistic fungicides)

L51 ANSWER 18 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1997:740071 CAPLUS
 DOCUMENT NUMBER: 127:356181
 TITLE: Synergistic fungicide mixtures
 INVENTOR(S): Muller, Ruth; Bayer, Herbert; Sauter, Hubert;
 Ammermann, Eberhard; Lorenz, Gisela;
 Strathmann, Siegfried; Schelberger,
 Klaus; Scherer, Maria
 PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
 SOURCE: PCT Int. Appl., 25 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|------------------|------------|
| WO 9740677 | A1 | 19971106 | WO 1997-EP2046 | 19970423 |
| W: AU, BG, BR, CA, CN, CZ, GE, HU, IL, JP, KR, LV, MX, NO, NZ, PL, RO, SG, SI, SK, TR, UA, US, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| AU 9727682 | A1 | 19971119 | AU 1997-27682 | 19970423 |
| EP 900014 | A1 | 19990310 | EP 1997-921704 | 19970423 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE | | | | |
| JP 2000509060 | T2 | 20000718 | JP 1997-538549 | 19970423 |
| TW 423958 | B | 20010301 | TW 1997-86105284 | 19970423 |
| ZA 9703533 | A | 19981026 | ZA 1997-3533 | 19970424 |
| US 6114378 | A | 20000905 | US 1998-171522 | 19981021 |
| PRIORITY APPLN. INFO.: | | | DE 1996-19616683 | A 19960426 |
| | | | DE 1996-19616685 | A 19960426 |
| | | | DE 1996-19617072 | A 19960429 |
| | | | DE 1996-19635509 | A 19960902 |
| | | | DE 1996-19635514 | A 19960902 |
| | | | DE 1996-19635517 | A 19960902 |
| | | | WO 1997-EP2046 | W 19970423 |

OTHER SOURCE(S): MARPAT 127:356181
 GI



FAMILY ACC. NUM. COUNT: 1

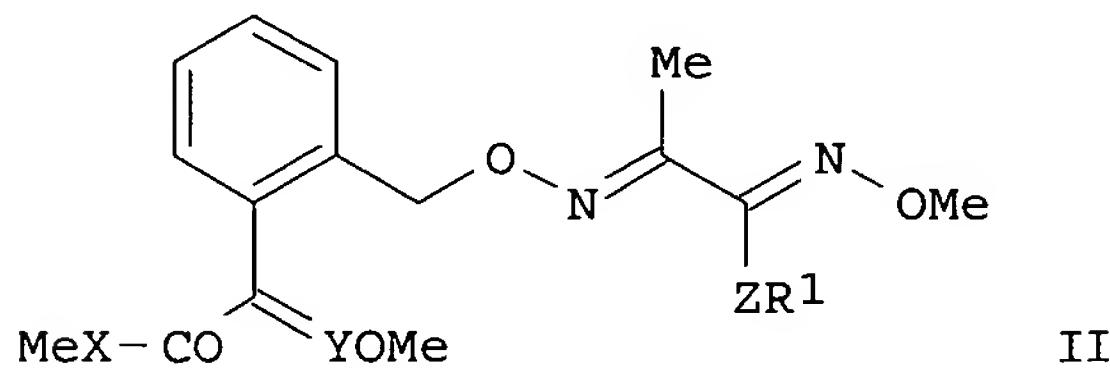
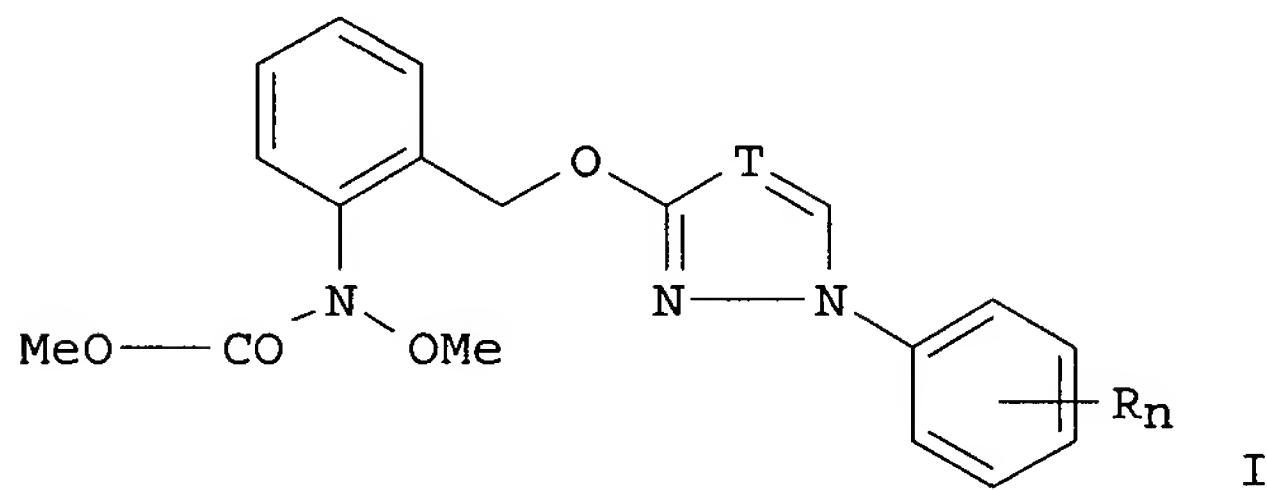
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|------------------|------------|
| WO 9740678 | A1 | 19971106 | WO 1997-EP2048 | 19970423 |
| W: AU, BG, BR, CA, CN, CZ, GE, HU, IL, JP, KR, LV, MX, NO, NZ, PL, RO, SG, SI, SK, TR, UA, US, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| CA 2252641 | AA | 19971106 | CA 1997-2252641 | 19970423 |
| AU 9727009 | A1 | 19971119 | AU 1997-27009 | 19970423 |
| AU 722194 | B2 | 20000727 | | |
| ZA 9703474 | A | 19981023 | ZA 1997-3474 | 19970423 |
| EP 900011 | A1 | 19990310 | EP 1997-920739 | 19970423 |
| EP 900011 | B1 | 20020403 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, SI, FI | | | | |
| CN 1216440 | A | 19990512 | CN 1997-194053 | 19970423 |
| BR 9708805 | A | 19990803 | BR 1997-8805 | 19970423 |
| NZ 332077 | A | 20000228 | NZ 1997-332077 | 19970423 |
| JP 2000509062 | T2 | 20000718 | JP 1997-538551 | 19970423 |
| CZ 289349 | B6 | 20020116 | CZ 1998-3378 | 19970423 |
| AT 215309 | E | 20020415 | AT 1997-920739 | 19970423 |
| US 6028093 | A | 20000222 | US 1998-171563 | 19981021 |
| PRIORITY APPLN. INFO.: | | | DE 1996-19616689 | A 19960426 |
| | | | DE 1996-19617069 | A 19960429 |
| | | | DE 1996-19635505 | A 19960902 |
| | | | WO 1997-EP2048 | W 19970423 |

OTHER SOURCE(S) :

MARPAT 128:11109

GI



AB This invention concerns a fungicide mixture containing in synergistically effective quantities a carbamate I [T = CH or N; n = 0, 1 or 2; R = halo or (halo)alkyl] and/or an oxime ether II [X = O or NH; Y = CH or N; Z = O, S, NH or alkylamino; R1 = (halo)alkyl, (halo)alkenyl, (halo)alkynyl, cycloalkylmethyl, benzyl, etc.] and propamocarb.

IC ICM A01N037-52

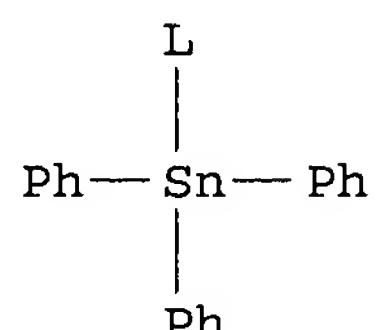
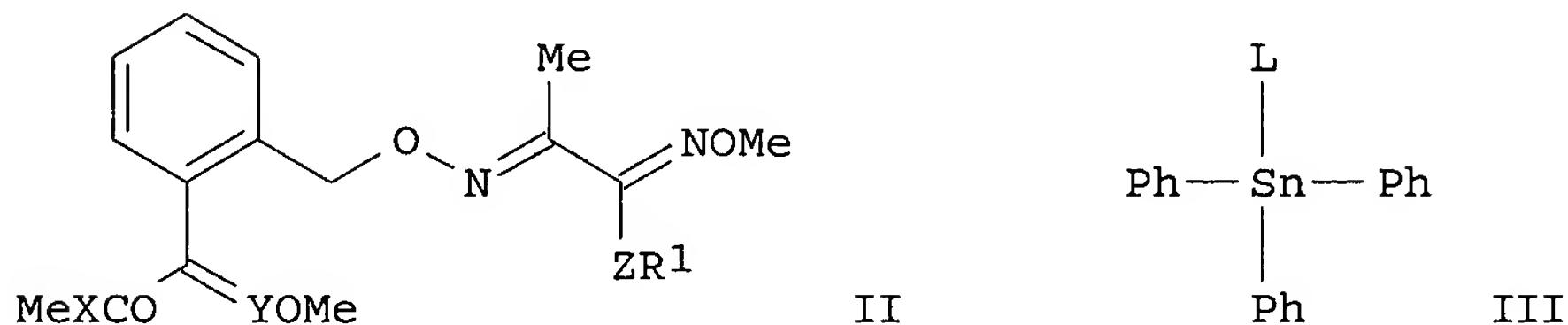
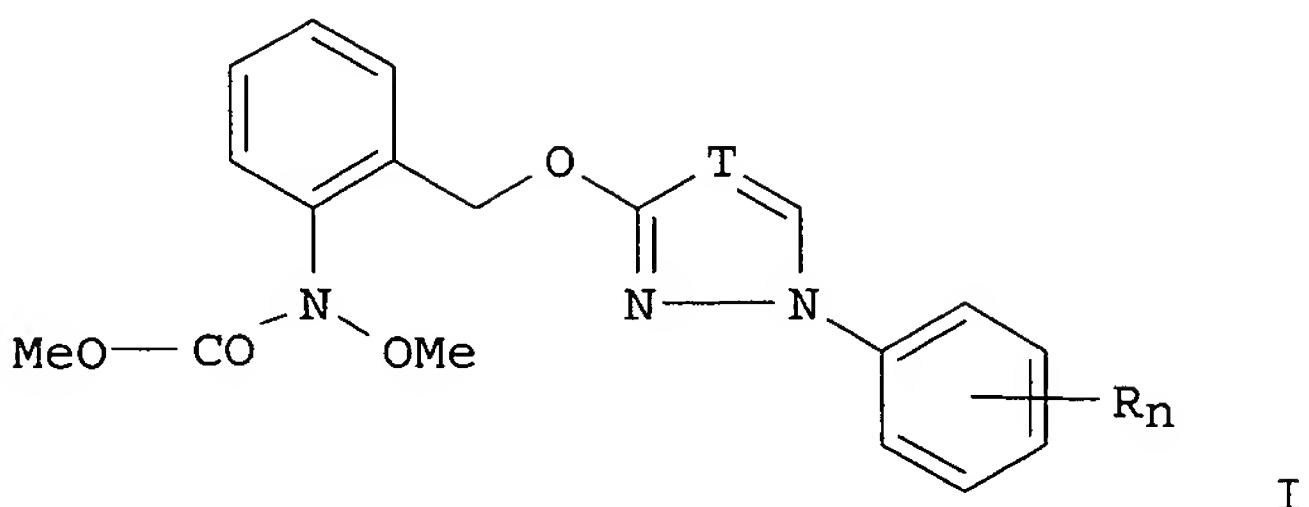
PRIORITY APPLN. INFO.:

DE 1996-19616686 A 19960426
 DE 1996-19616721 A 19960426
 DE 1996-19635508 A 19960902
 WO 1997-EP2022 W 19970422

OTHER SOURCE(S):

MARPAT 127:356184

GI



AB This invention concerns fungicide mixts. containing in a synergistically effective amount of a carbamate I [T = CH or N; n = 0, 1 or 2; R = halo or (halo)alkyl] and/or an oxime ether II [X = O or NH; Y = CH or N; Z = O, S, NH or alkylamino; R1 = (halo)alkyl, (halo)alkenyl, (halo)alkynyl, cycloalkylmethyl or benzyl, etc.] and/or an organic tin compound III (L = hydroxy or acetate).

IC ICM A01N047-24

ICS A01N037-52; A01N037-52; A01N055-04; A01N047-24; A01N055-04

CC 5-2 (Agrochemical Bioregulators)

ST synergism fungicide carbamate oxime ether organotin

IT Fungicides

(synergistic; mixts. containing carbamate and/or oxime ether and/or organotin compound)

IT 198403-48-4 198403-49-5 198403-50-8 198403-51-9 198403-53-1
 198403-54-2 198403-56-4 198403-57-5RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (synergistic fungicide mixture)

L51 ANSWER 17 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1997:740072 CAPLUS

DOCUMENT NUMBER: 128:11109

TITLE: Synergistic fungicide mixtures

INVENTOR(S): Mueller, Bernd; Sauter, Hubert; Ammermann, Eberhard; Lorenz, Gisela; Strathmann, Siegfried; Schelberger, Klaus; Scherer, Maria; Mappes, Dietrich; Leyendecker, Joachim; Bayer, Herbert; Mueller, Ruth

PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany

SOURCE: PCT Int. Appl., 22 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

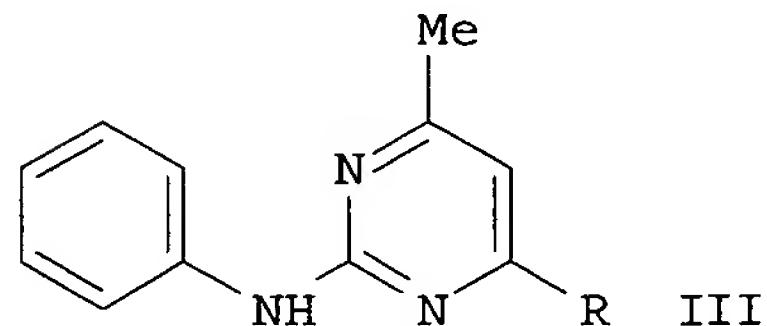
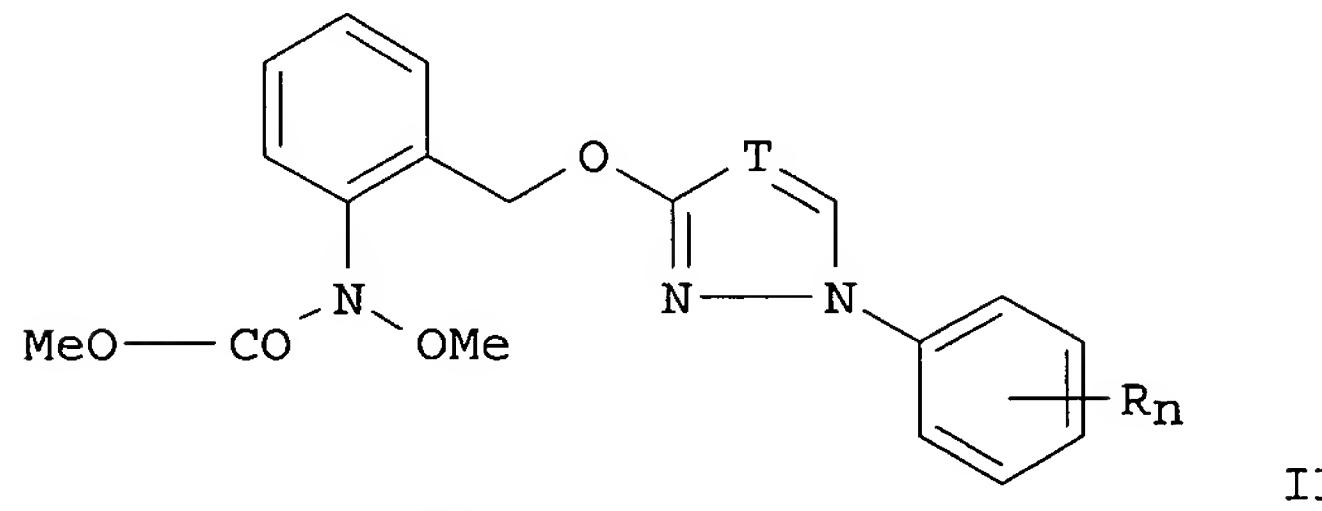
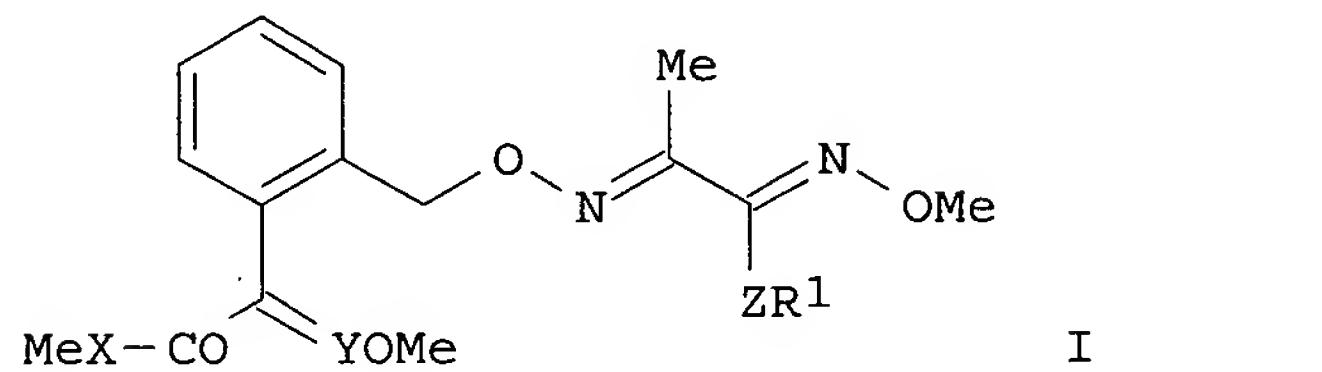
CC ICS A01N037-52; A01N037-52; A01N043-54; A01N047-24; A01N043-54
 5-2 (Agrochemical Bioregulators)
 ST fungicide synergism oxime ether carbamate pyrimidine
 IT Fungicides
 (synergistic; mixts. containing oxime ether, carbamate and pyrimidine
 derivs.)
 IT 198881-07-1 198881-08-2 198881-09-3 198881-10-6 198881-11-7
 198881-12-8 198881-13-9 198881-14-0 198881-15-1 198881-16-2
 198881-17-3
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (synergistic fungicide)
 IT 53112-28-0D, Pyrimethanil, mixts. with oxime ether and/or carbamate
 derivs. 110235-47-7D, Mepanipyrim, mixts. with oxime ether and/or
 carbamate derivs. 121552-61-2D, Cyprodinil, mixts. with oxime ether
 and/or carbamate derivs.
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (synergistic fungicides)

L51 ANSWER 16 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1997:740078 CAPLUS
 DOCUMENT NUMBER: 127:356184
 TITLE: Synergistic fungicide mixtures
 INVENTOR(S): Mueller, Bernd; Sauter, Hubert; Ammermann,
 Eberhard; Lorenz, Gisela; Strathmann,
 Siegfried; Schelberger, Klaus; Saur,
 Reinhold; Leyendecker, Joachim; Bayer, Herbert; Pest
 control in art objects by gassing in a reduced
 humidity environment Mueller, Ruth; et al.
 PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
 SOURCE: PCT Int. Appl., 22 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|----------|
| WO 9740684 | A1 | 19971106 | WO 1997-EP2022 | 19970422 |
| W: AU, BG, BR, CA, CN, CZ, GE, HU, IL, JP, KR, LV, MX, NO, NZ, PL, RO, SG, SI, SK, TR, UA, US, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| CA 2252538 | AA | 19971106 | CA 1997-2252538 | 19970422 |
| AU 9727669 | A1 | 19971119 | AU 1997-27669 | 19970422 |
| AU 732263 | B2 | 20010412 | | |
| EP 900018 | A1 | 19990310 | EP 1997-921688 | 19970422 |
| EP 900018 | B1 | 20010816 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, SI | | | | |
| CN 1213950 | A | 19990414 | CN 1997-193127 | 19970422 |
| BR 9708792 | A | 19990803 | BR 1997-8792 | 19970422 |
| NZ 331122 | A | 20000623 | NZ 1997-331122 | 19970422 |
| JP 2000509055 | T2 | 20000718 | JP 1997-538538 | 19970422 |
| AT 204132 | E | 20010915 | AT 1997-921688 | 19970422 |
| CZ 289270 | B6 | 20011212 | CZ 1998-3292 | 19970422 |
| ES 2163151 | T3 | 20020116 | ES 1997-921688 | 19970422 |
| PT 900018 | T | 20020228 | PT 1997-921688 | 19970422 |
| ZA 9703532 | A | 19981026 | ZA 1997-3532 | 19970424 |
| US 6124336 | A | 20000926 | US 1998-171565 | 19981021 |
| GR 3036533 | T3 | 20011231 | GR 2001-401393 | 20010905 |

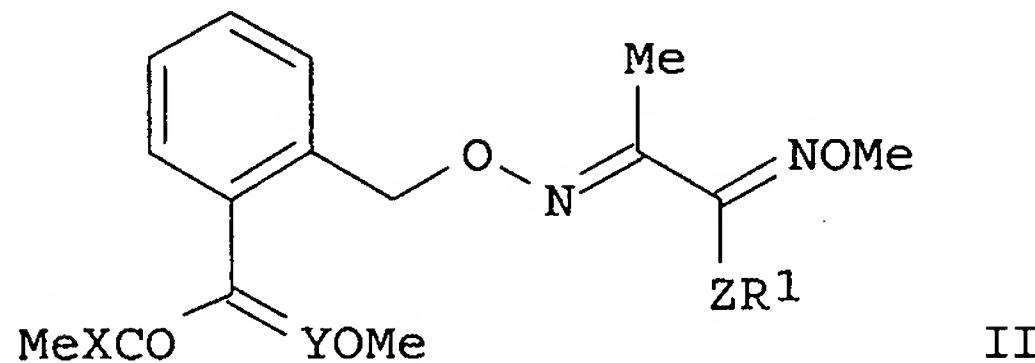
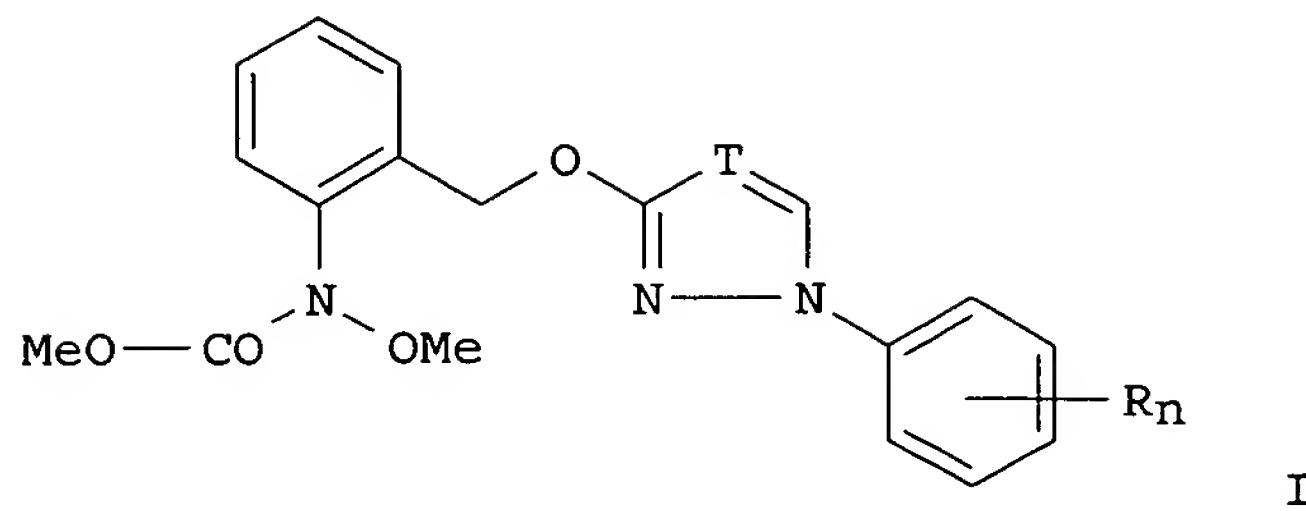
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE
 CA 2252630 AA 19971106 CA 1997-2252630 19970422
 AU 9727670 A1 19971119 AU 1997-27670 19970422
 AU 732264 B2 20010412
 EP 906017 A1 19990407 EP 1997-921689 19970422
 EP 906017 B1 20020102
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, SI
 CN 1216442 A 19990512 CN 1997-194012 19970422
 BR 9708875 A 19990803 BR 1997-8875 19970422
 NZ 331768 A 20000228 NZ 1997-331768 19970422
 JP 2000509056 T2 20000718 JP 1997-538539 19970422
 IL 126081 A1 20011223 IL 1997-126081 19970422
 AT 211360 E 20020115 AT 1997-921689 19970422
 ES 2170950 T3 20020816 ES 1997-921689 19970422
 ZA 9703619 A 19990412 ZA 1997-3619 19970425
 US 6156760 A 20001205 US 1998-155110 19980921
 PRIORITY APPLN. INFO.: DE 1996-19616720 A 19960426
 DE 1996-19617070 A 19960429
 DE 1996-19635506 A 19960902
 WO 1997-EP2023 W 19970422

OTHER SOURCE(S): MARPAT 128:11110
 GI



AB This invention concerns fungicide mixts. containing in a synergistically effective amount an oxime ether I [X = O or NH; Y = CH or N; Z = O, S, NH or alkyl amino; R1 = (halo)alkyl, (halo)alkenyl, (halo)alkynyl, cycloalkylmethyl, **benzyl**, etc.] and/or a carbamate II [T = CH or N; n = 0, 1 or 2; R = (halo)alkyl] and a pyrimidine derivative III [R = Me, propin-1-yl or cyclopropyl].

IC ICM A01N047-24



AB Fungicidal mixture containing in a synergistically active quantity a carbamate
 I [T = CH or N; n = 0, 1 or 2; R = halo or (halo)alkyl] and/or an oxime
 ether II [X = O or NH; Y = CH or N; Z = O, S, NH or alkylamino; R1 =
 (halo)alkyl, (halo)alkenyl, (halo)alkynyl, cycloalkylmethyl,
benzyl, etc.] and fluazinam, are given (no data).
 IC ICM A01N047-24
 ICS A01N037-52; A01N043-40; A01N047-24; A01N043-40; A01N037-52;
 A01N037-52; A01N043-40; A01N047-24
 CC 5-2 (Agrochemical Bioregulators)
 ST synergism **fungicide** mixt fluazinam carbamate oxime
 IT **Fungicides**
 (synergistic; fluazinam-containing compns.)
 IT 79622-59-6D, Fluazinam, mixts. containing
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (synergistic **fungicides**)

L51 ANSWER 15 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1997:740079 CAPLUS
 DOCUMENT NUMBER: 128:11110
 TITLE: Synergistic **fungicide** mixtures
 INVENTOR(S): Mueller, Ruth; Bayer, Herbert; Sauter, Hubert;
 Ammermann, Eberhard; Lorenz, Gisela;
 Strathmann, Siegfried; Schelberger,
 Klaus; Scherer, Maria; Leyendecker,
 Joachim; Mueller, Bernd
 PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
 SOURCE: PCT Int. Appl., 26 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|----------|
| WO 9740685 | A1 | 19971106 | WO 1997-EP2023 | 19970422 |
| W: AU, BG, BR, CA, CN, CZ, GE, HU, IL, JP, KR, LV, MX, NO, NZ, PL, RO, SG, SI, SK, TR, UA, US, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |

ACCESSION NUMBER: 1997:740081 CAPLUS
 DOCUMENT NUMBER: 127:356185
 TITLE: Synergistic fungicidal mixtures
 INVENTOR(S): Muller, Bernd; Sauter, Hubert; Ammermann,
 Eberhard; Lorenz, Gisela; Strathmann,
 Siegfried; Schelberger, Klaus;
 Scherer, Maria; Mappes, Dietrich; Leyendecker,
 Joachim; Bayer, Herbert; Muller, Ruth
 PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
 SOURCE: PCT Int. Appl., 17 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

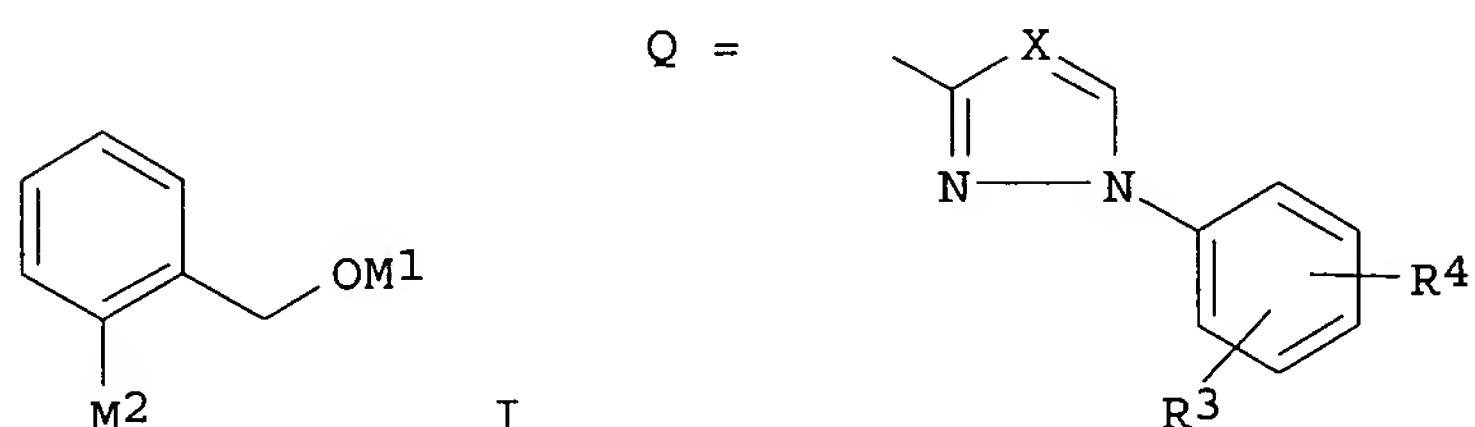
| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|------------------|------------|
| WO 9740687 | A1 | 19971106 | WO 1997-EP2043 | 19970423 |
| W: AU, BG, BR, CA, CN, CZ, GE, HU, IL, JP, KR, LV, MX, NO, NZ, PL, RO, SG, SI, SK, TR, UA, US, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| CA 2252503 | AA | 19971106 | CA 1997-2252503 | 19970423 |
| AU 9727680 | A1 | 19971119 | AU 1997-27680 | 19970423 |
| AU 732284 | B2 | 20010412 | | |
| ZA 9703473 | A | 19981023 | ZA 1997-3473 | 19970423 |
| EP 900020 | A1 | 19990310 | EP 1997-921702 | 19970423 |
| EP 900020 | B1 | 20020626 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, SI | | | | |
| CN 1216898 | A | 19990519 | CN 1997-194128 | 19970423 |
| BR 9708806 | A | 19990803 | BR 1997-8806 | 19970423 |
| NZ 332161 | A | 20000327 | NZ 1997-332161 | 19970423 |
| JP 2000509058 | T2 | 20000718 | JP 1997-538546 | 19970423 |
| AT 219624 | E | 20020715 | AT 1997-921702 | 19970423 |
| TW 419352 | B | 20010121 | TW 1997-86105440 | 19970425 |
| US 6133298 | A | 20001017 | US 1998-171618 | 19981022 |
| PRIORITY APPLN. INFO.: | | | DE 1996-19616691 | A 19960426 |
| | | | DE 1996-19617071 | A 19960429 |
| | | | DE 1996-19635516 | A 19960902 |
| | | | WO 1997-EP2043 | W 19970423 |

OTHER SOURCE(S): MARPAT 127:356185
 GI

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|------------------|------------|
| WO 9808386 | A1 | 19980305 | WO 1997-EP4679 | 19970827 |
| W: AU, BR, CA, CN, HU, IL, JP, KR, MX, NZ, PL, US RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| DE 19634771 | A1 | 19980305 | DE 1996-19634771 | 19960828 |
| TW 438575 | B | 20010607 | TW 1997-86112269 | 19970826 |
| CA 2264533 | AA | 19980305 | CA 1997-2264533 | 19970827 |
| AU 9746188 | A1 | 19980319 | AU 1997-46188 | 19970827 |
| AU 716351 | B2 | 20000224 | | |
| ZA 9707685 | A | 19990301 | ZA 1997-7685 | 19970827 |
| EP 923291 | A1 | 19990623 | EP 1997-944801 | 19970827 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI | | | | |
| BR 9711266 | A | 19990817 | BR 1997-11266 | 19970827 |
| CN 1228676 | A | 19990915 | CN 1997-197535 | 19970827 |
| NZ 334367 | A | 20001124 | NZ 1997-334367 | 19970827 |
| JP 2000516944 | T2 | 20001219 | JP 1998-511288 | 19970827 |
| US 6156778 | A | 20001205 | US 1999-242729 | 19990222 |
| KR 2000035947 | A | 20000626 | KR 1999-701688 | 19990227 |
| PRIORITY APPLN. INFO.: | | | DE 1996-19634771 | A 19960828 |
| | | | DE 1996-19636752 | A 19960910 |
| | | | WO 1997-EP4679 | W 19970827 |

OTHER SOURCE(S): MARPAT 128:214435
GI

AB The title mixts. comprise an oxime ether I [M1 = Q or N:CMcC(ZR5):NOMe; X = N or CH; R3, R4 = H or (halo)alkyl; Z = O, S, NH, N-alkyl; R5 = (halo)alkyl, (halo)alkenyl, (halo)alkynyl, cycloalkylmethyl or (un)substituted benzyl; M2 = MeOCON(OMe) or MeXCO:YOMe ; X = O or NH; Y = CH or N] and a valine amide R1OCONHCH(CHMe2)CONHCHMeR2 (R1 = alkyl; R2 = naphthyl, Ph, 4-halophenyl, alkyl or alkoxy).

IC ICM A01N047-24

ICS A01N047-12; A01N047-24; A01N047-12; A01N047-12; A01N037-52

CC 5-2 (Agrochemical Bioregulators)

ST synergism fungicide oxime ether valine amide

IT Fungicides

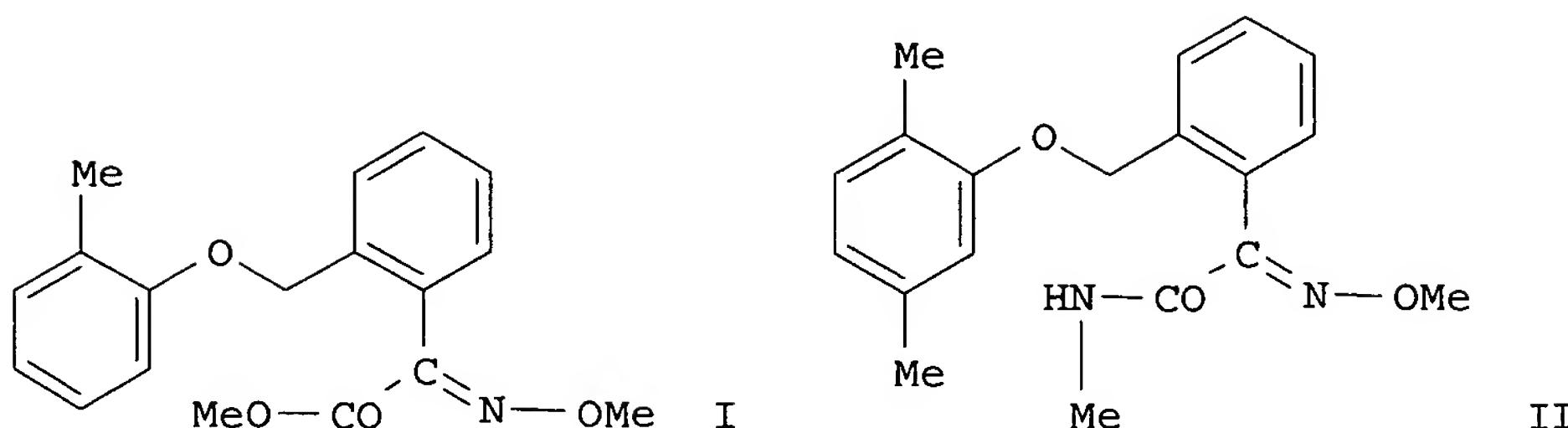
(synergistic; mixts. of oxime ethers with valine amides)

IT 204187-57-5 204187-59-7 204187-60-0 204187-61-1

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(synergistic fungicidal mixture)

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT



AB Synergistic fungicide mixts. comprise the oxime ether carboxylic acid ester I, the oxime ether carboxylic acid amide II and an **azole** (bromuconazole, cyproconazole, difenoconazole, diniconazole, epoxiconazole, fenbuconazole, etc.).

IC ICM A01N043-653

ICS A01N037-18; A01N037-02

CC 5-2 (Agrochemical Bioregulators)

ST synergism **fungicide** oxime ether **azole** mixt

IT **Fungicides**
(synergistic; compns. containing oxime ethers and **azoles**)

IT 60207-90-1D, Propiconazole, mixts. with oxime ethers 67747-09-5D, Prochloraz, mixts. with oxime ethers 68694-11-1D, Triflumizole, mixts. with oxime ethers 76674-21-0D, Flutriafol, mixts. with oxime ethers 79983-71-4D, Hexaconazole, mixts. with oxime ethers 83657-24-3D, Diniconazole, mixts. with oxime ethers 85509-19-9D, Flusilazole, mixts. with oxime ethers 94361-06-5D, Cyproconazole, mixts. with oxime ethers 107534-96-3D, Tebuconazole, mixts. with oxime ethers 112281-77-3D, Tetraconazole, mixts. with oxime ethers 114369-43-6D, Fenbuconazole, mixts. with oxime ethers 116255-48-2D, (Bromuconazole, mixts. with oxime ethers 119446-68-3D, Difenoconazole, mixts. with oxime ethers 125116-23-6D, Metconazole, mixts. with oxime ethers 133855-98-8D, Epoxiconazole, mixts. with oxime ethers 136426-54-5D, Fluquinconazole, mixts. with oxime ethers 144167-04-4D, mixts. with oxime ether carboxylic acid amide and **azole** 145451-07-6D, mixts. with oxime ether carboxylic acid ester and **azole**

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic **fungicides**)

L51 ANSWER 13 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1998:161097 CAPLUS
DOCUMENT NUMBER: 128:214435
TITLE: Synergistic fungicidal mixtures
INVENTOR(S): Muealler, Ruth; Bayer, Herbert; Sauter, Hubert;
Eicken, Karl; Wetterich, Frank; Ammermann,
Eberhard; Lorenz, Gisela; Strathmann,
Siegfried; Scherer, Maria;
Schelberger, Klaus; Muller, Bernd;
Leyendecker, Joachim
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 35 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German

untreated controls.

IC ICM C07C251-60
ICS A01N037-50

CC 25-22 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)
Section cross-reference(s): 5

ST **benzyliminooxymethylphenylglyoxylate** oxime ester prepn pesticide
fungicide

IT Fungicides
(agrochem.; preparation of **benzyliminooxymethylphenylglyoxylate**
oxime esters as pesticides and fungicides)

IT Pesticides
(preparation of **benzyliminooxymethylphenylglyoxylate** oxime esters
as pesticides and fungicides)

IT 213608-89-0P 213608-90-3P 213608-91-4P 213608-92-5P 213608-93-6P
213608-94-7P 213608-95-8P 213608-96-9P 213608-97-0P 213608-98-1P
213608-99-2P 213609-00-8P 213609-01-9P 213609-02-0P 213609-03-1P
213609-04-2P 213609-05-3P 213609-06-4P 213609-07-5P 213609-08-6P
213609-09-7P 213609-10-0P 213609-11-1P 213609-12-2P 213609-13-3P
213609-14-4P 213609-15-5P 213609-16-6P 213609-17-7P 213609-18-8P
213609-19-9P 213609-20-2P 213609-21-3P 213609-22-4P 213609-23-5P
213609-24-6P 213609-25-7P 213609-26-8P 213609-27-9P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except
adverse); BSU (Biological study, unclassified); SPN (Synthetic
preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

IT (preparation of **benzyliminooxymethylphenylglyoxylate** oxime esters
as pesticides and fungicides)

IT 576-22-7, 2-Bromo-1,3-dimethylbenzene 593-56-6, O-Methylhydroxylamine
hydrochloride 5781-53-3 99705-50-7
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of **benzyliminooxymethylphenylglyoxylate** oxime esters
as pesticides and fungicides)

IT 184237-64-7P 213609-28-0P 213609-29-1P 213609-30-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation of **benzyliminooxymethylphenylglyoxylate** oxime esters
as pesticides and fungicides)

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

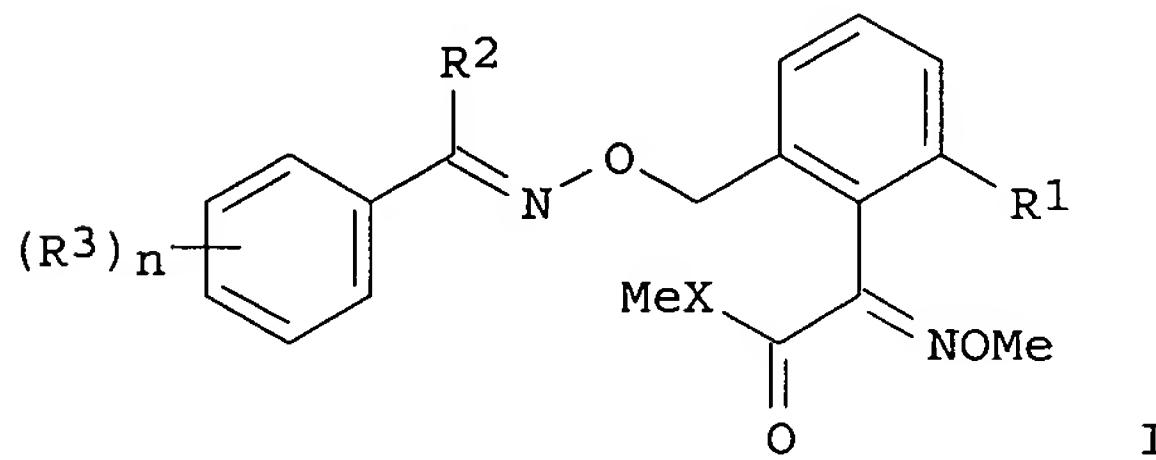
L51 ANSWER 12 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1998:184118 CAPLUS
DOCUMENT NUMBER: 128:214437
TITLE: Synergistic fungicide mixtures
INVENTOR(S): Ammermann, Eberhard; Lorenz, Gisela;
Strathmann, Siegfried; Saur, Reinhold;
Schelberger, Klaus; Van Gastel, Anne
PATENT ASSIGNEE(S): BASF A.-G., Germany
SOURCE: Ger. Offen., 8 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|----------|------------------|----------|
| DE 19636686 | A1 | 19980312 | DE 1996-19636686 | 19960910 |
| PRIORITY APPLN. INFO.: | | | DE 1996-19636686 | 19960910 |
| GI | | | | |

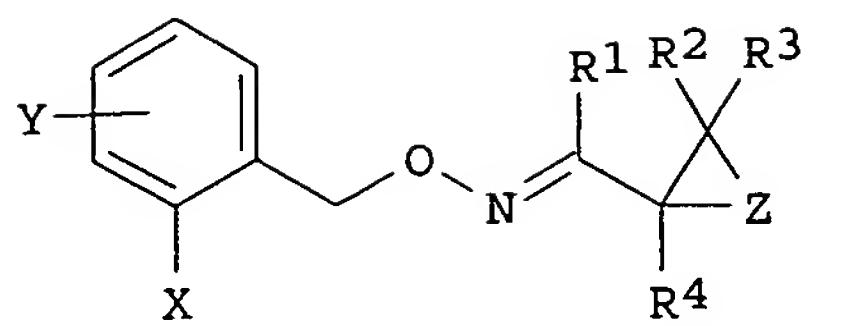
DOCUMENT NUMBER: 129:260232
 TITLE: Preparation of benzyliminooxymethylphenylglyoxylate oxime esters as pesticides and fungicides.
 INVENTOR(S): Grammenos, Wassilios; Sauter, Hubert; Bayer, Herbert; Grote, Thomas; Gypser, Andreas; Kirstgen, Reinhard; Muller, Bernd; Ptock, Arne; Rohl, Franz; Gotz, Roland; Lorenz, Gisela; Ammermann, Eberhard; Strathmann, Siegfried; Harries, Volker
 PATENT ASSIGNEE(S): BASF A.-G., Germany
 SOURCE: PCT Int. Appl., 47 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|------------------|------------|
| WO 9841498 | A1 | 19980924 | WO 1998-EP1323 | 19980306 |
| W: AL, AU, BG, BR, BY, CA, CN, CZ, GE, HU, ID, IL, JP, KR, KZ, LT, LV, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TR, UA, US, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| DE 19711168 | A1 | 19980924 | DE 1997-19711168 | 19970318 |
| AU 9868288 | A1 | 19981012 | AU 1998-68288 | 19980306 |
| EP 971884 | A1 | 20000119 | EP 1998-913677 | 19980306 |
| EP 971884 | B1 | 20021127 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, IE | | | | |
| JP 2001515498 | T2 | 20010918 | JP 1998-540080 | 19980306 |
| AT 228498 | E | 20021215 | AT 1998-913677 | 19980306 |
| US 6187816 | B1 | 20010213 | US 1999-381048 | 19990914 |
| PRIORITY APPLN. INFO.: | | | DE 1997-19711168 | A 19970318 |
| | | | WO 1998-EP1323 | W 19980306 |

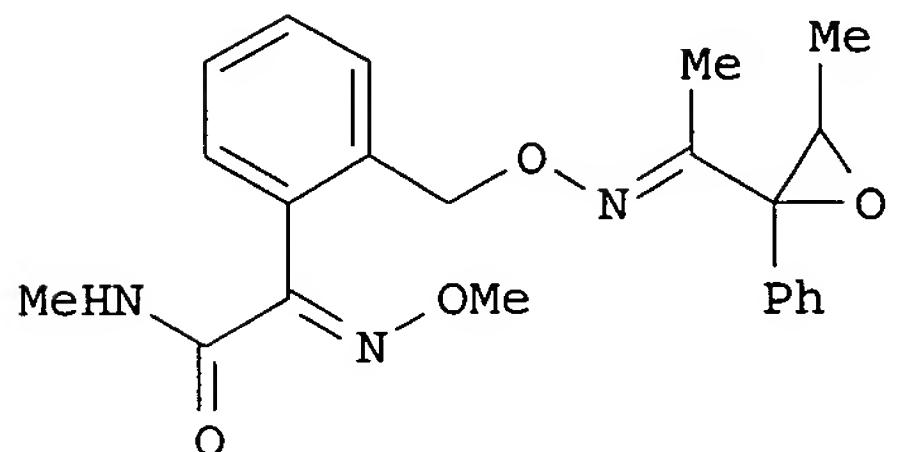
OTHER SOURCE(S): MARPAT 129:260232
 GI



AB Title compds. [I; X = O, NH; R1 = F, Cl, alkyl, haloalkyl, alkoxy, haloalkoxy; R2 = halo, alkyl, haloalkyl, alkoxy; R3 = halo, alkyl, haloalkyl, alkoxy, halogenalkoxy, cycloalkyl, (substituted) Ph, PhO, CRa:NOrb; Ra = H, alkyl; Rb = alkyl, alkenyl, alkynyl; n = 1, 2, 3], were prepared. Thus, 3-trifluoromethylacetophenone oxime in DMF was treated with NaOMe in MeOH and then combined with Me 2-bromomethyl-6-methylphenylglyoxylate O-methyloxime (preparation given) to give 2[[α -methyl-3-trifluoromethylbenzyl]imino]oxymethyl]-6-methylphenylglyoxyllic acid Me ester-O-methyloxime. I at 250 ppm reduced incidence of Botrytis cinerea on paprika plants to 5-80%, vs. 80% for



I



II

AB Title compds. I [X = N(COOCH₃)OCH₃, C(COOCH₃):CHOCH₃, C(COOCH₃):NOCH₃, C(CONHCH₃):NOCH₃, C(COOCH₃):CHCH₃; Y = H, halo, alkyl, haloalkyl, alkoxy; Z = O, C(Ra)₂, NRa; Ra = H, alkyl; R1 = halo, alkyl, haloalkyl, alkoxy; R2 = H, halo, alkyl, alkoxy, or optionally substituted Ph; R3 = H, halo, alkyl, alkoxy; R4 = alkyl or optionally substituted Ph] were prepared as fungicides. Thus, II was prepared in 6 steps starting from 1-phenyl-1,2-propanedione. The products were tested against *Erysiphe graminis*, *Plasmopara viticola*, and *Pyricularia oryzae*.

IC ICM C07D303-36
ICS C07D203-12; C07C251-60; C07C271-28; C07C251-42; A01N043-04; A01N043-34; A01N047-20; A01N037-18; A01N037-10

CC 27-2 (Heterocyclic Compounds (One Hetero Atom))
Section cross-reference(s): 5, 25

ST oxime benzyl prepn fungicidal activity

IT **Fungicides**
 ((benzyloxy)imino compds.)

IT 214749-49-2P 214749-50-5P 214749-51-6P 214749-52-7P 214749-53-8P
214749-54-9P 214749-55-0P 214749-56-1P 214749-57-2P 214749-58-3P
214749-59-4P 214749-60-7P 214749-61-8P 214749-62-9P 214749-63-0P
214749-64-1P 214749-65-2P 214749-66-3P 214749-67-4P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

 ((benzyloxy)imino compds. as fungicides)

IT 579-07-7, 1-Phenyl-1,2-propanedione 941-28-6 1530-32-1,
Ethyltriphenylphosphonium bromide 115199-26-3
RL: RCT (Reactant); RACT (Reactant or reagent)

 ((benzyloxy)imino compds. as fungicides)

IT 38868-78-9P 214749-45-8P 214749-46-9P 214749-47-0P 214749-48-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

 ((benzyloxy)imino compds. as fungicides)

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L51 ANSWER 10 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1998:709066 CAPLUS
 DOCUMENT NUMBER: 129:316131
 TITLE: Substituted (benzyloxy)imino compounds
 INVENTOR(S): Grammenos, Wassilios; Sauter, Hubert; Bayer, Herbert;
 Grote, Thomas; Gypser, Andreas; Kirstgen, Reinhard;
 Muller, Bernd; Ptock, Arne; Rohl, Franz; Gotz, Roland;
 Lorenz, Gisela; Ammermann, Eberhard;
 Strathmann, Siegfried; Harries, Volker
 PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany; et al.
 SOURCE: PCT Int. Appl., 88 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|-------------------|----------|------------------|------------|
| WO 9847886 | A1 | 19981029 | WO 1998-EP1942 | 19980402 |
| W: AL, AU, BG, BR, BY, CA, CN, CZ, GE, HU, ID, IL, JP, KR, KZ, LT, LV, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TR, UA, US, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| DE 19716237 | A1 | 19981022 | DE 1997-19716237 | 19970418 |
| AU 9868324 | A1 | 19981113 | AU 1998-68324 | 19980402 |
| EP 975616 | A1 | 20000202 | EP 1998-913750 | 19980402 |
| EP 975616 | B1 | 20020213 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, IE | | | | |
| JP 2001524088 | T2 | 20011127 | JP 1998-544918 | 19980402 |
| AT 213236 | E | 20020215 | AT 1998-913750 | 19980402 |
| ZA 9803231 | A | 19991018 | ZA 1998-3231 | 19980417 |
| US 6329359 | B1 | 20011211 | US 1999-402878 | 19991013 |
| PRIORITY APPLN. INFO.: | | | DE 1997-19716237 | A 19970418 |
| | | | WO 1998-EP1942 | W 19980402 |
| OTHER SOURCE(S): | MARPAT 129:316131 | | | |
| GI | | | | |

PATENT ASSIGNEE(S) : Basf A.-G., Germany; et al.
 SOURCE: PCT Int. Appl., 19 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

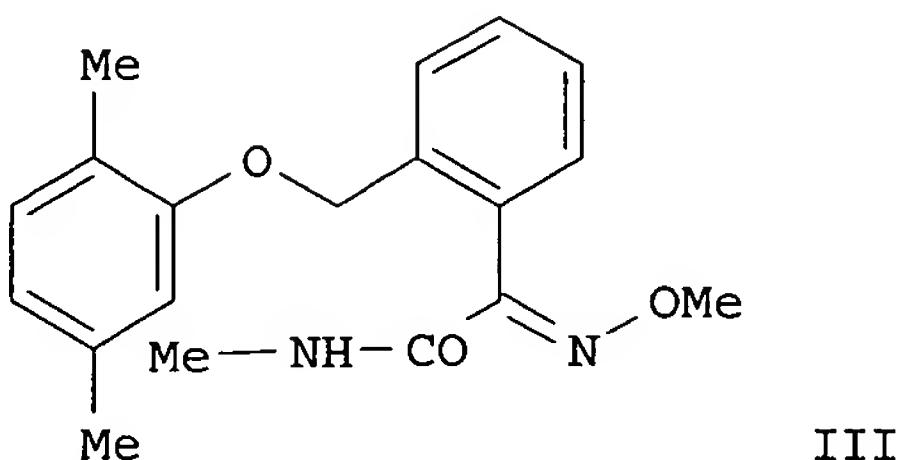
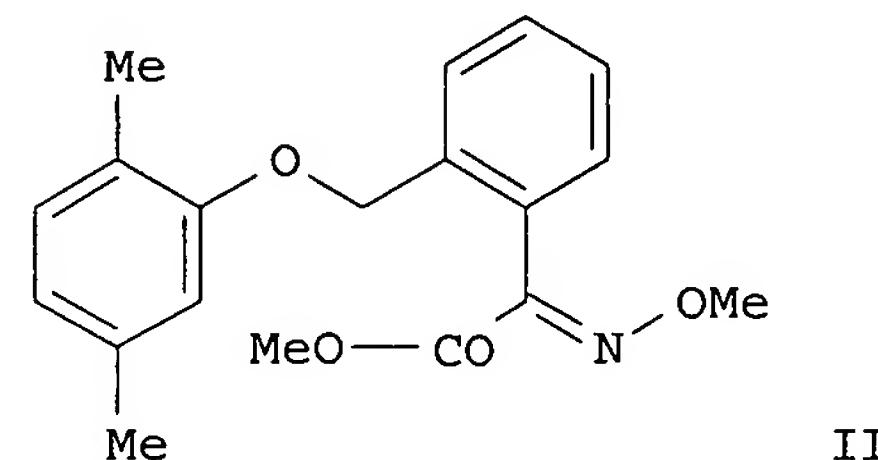
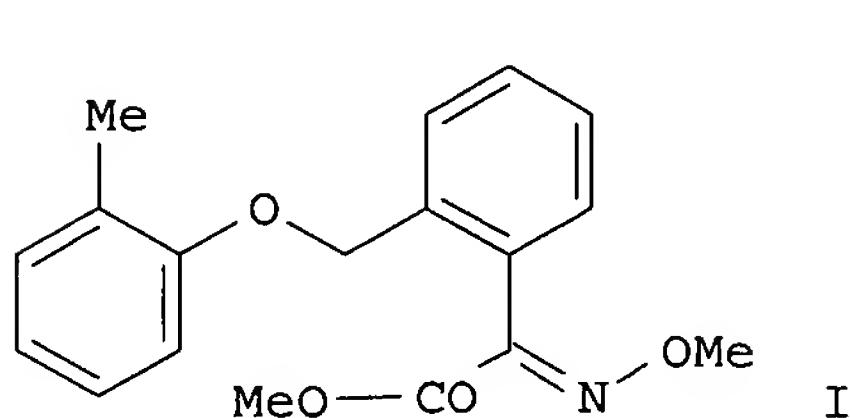
| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------------------|----------|-----------------|------------|
| WO 9854964 | A1 | 19981210 | WO 1998-EP2944 | 19980520 |
| W: AL, AU, BG, BR, BY, CA, CN, CZ, GE, HU, ID, IL, JP, KR, KZ, LT, LV, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TR, UA, US, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| CA 2292761 | AA | 19981210 | CA 1998-2292761 | 19980520 |
| AU 9881052 | A1 | 19981221 | AU 1998-81052 | 19980520 |
| EP 987944 | A1 | 20000329 | EP 1998-930708 | 19980520 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, SI, FI | | | | |
| BR 9809959 | A | 20000801 | BR 1998-9959 | 19980520 |
| NZ 501985 | A | 20010727 | NZ 1998-501985 | 19980520 |
| JP 2002503233 | T2 | 20020129 | JP 1999-501390 | 19980520 |
| ZA 9804868 | A | 19991206 | ZA 1998-4868 | 19980605 |
| US 6090835 | A | 20000718 | US 1998-151810 | 19980914 |
| MX 9910673 | A | 20000331 | MX 1999-10673 | 19991119 |
| PRIORITY APPLN. INFO.: | | | US 1997-870361 | A 19970606 |
| | | | WO 1998-EP2944 | W 19980520 |
| OTHER SOURCE(S) : | MARPAT 130:48704 | | | |
| GI | | | | |

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The title mixts. comprise a Ph **benzyl** ether I, II or III or a carbamate IV (X = CH or N: n = 0, 1 or 2; R = halo, Cl-4 alkyl or haloalkyl) and dicarboximide fungicide.
 IC ICM A01N037-50
 ICS A01N047-24; A01N037-50; A01N043-76; A01N043-50; A01N037-32; A01N047-24; A01N043-76; A01N043-50; A01N037-32
 CC 5-2 (Agrochemical Bioregulators)
 ST synergism **fungicide** dicarboximide mixt
 IT **Fungicides**
 (synergistic; dicarboximide-containing compns.)
 IT 217180-68-2 217180-70-6 217180-72-8 217180-73-9 217180-74-0
 217180-75-1
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (synergistic **fungicide**)
 IT 32809-16-8D, Procymidone, mixts. with Ph **benzyl** ethers or carbamates 36734-19-7D, Iprodione, mixts. with Ph **benzyl** ethers or carbamates 50471-44-8D, Vinclozolin, mixts. with Ph **benzyl** ethers or carbamates 84332-86-5D, Chlozolinate, mixts. with Ph **benzyl** ethers or carbamates 144167-04-4D, mixts. with dicarboximide compds. 145451-07-6D, mixts. with dicarboximide compds. 172957-49-2D, mixts. with dicarboximide compds.
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (synergistic **fungicides**)

| | | | | |
|---|----|----------|----------------|------------|
| WO 9854965 | A1 | 19981210 | WO 1998-EP2947 | 19980520 |
| W: AL, AU, BG, BR, BY, CA, CN, CZ, GE, HU, ID, IL, JP, KR, KZ, LT, | | | | |
| LV, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TR, UA, US, AM, AZ, BY, | | | | |
| KG, KZ, MD, RU, TJ, TM | | | | |
| RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, | | | | |
| PT, SE | | | | |
| US 5866599 | A | 19990202 | US 1997-870363 | 19970606 |
| AU 9880187 | A1 | 19981221 | AU 1998-80187 | 19980520 |
| PRIORITY APPLN. INFO.: | | | US 1997-870363 | A 19970606 |
| | | | WO 1998-EP2947 | W 19980520 |

GI



AB The title mixts. comprise a Ph **benzyl** ether I, II or III and fluazinam.
IC ICM A01N043-40
ICS A01N043-40; A01N037-50
CC 5-2 (Agrochemical Bioregulators)
ST synergism **fungicide** phenyl **benzyl** ether fluazinam mixt
IT **Fungicides**
 (synergistic; compns. containing Ph **benzyl** ether and fluazinam)
IT 217093-22-6 217093-23-7 217093-24-8
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (synergistic **fungicide**)
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L51 ANSWER 9 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1998:804130 CAPLUS
DOCUMENT NUMBER: 130:48704
TITLE: Synergistic fungicidal mixtures
INVENTOR(S) : Schelberger, Klaus; Scherer, Maria
; Sauter, Hubert; Hampei, Manfred; Leyendecker,
Joachim; Ammermann, Eberhard; Lorenz,
Gisela; Strathmann, Siegfried; Irwin, Peter;
Gold, Randall Evan

IT 102-52-3, Malondialdehyde tetramethyl acetal
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (cyclocondensation with Me (methylthio)hydrazinobenzoate; preparation of
 3-(pyrazol-1-yl)benzoic acid derivs. as agrochem.
fungicides)

IT 227466-51-5P, Methyl 2-methylthio-3-hydrazinobenzoate
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (preparation and cyclocondensation with malondialdehyde tetra-Me acetal;
 preparation of 3-(pyrazol-1-yl)benzoic acid derivs. as agrochem.
fungicides)

IT 213176-56-8P, Methyl 2-methylthio-3-aminobenzoate
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (preparation and diazotization and reduction; preparation of
 3-(pyrazol-1-yl)
benzoic acid derivs. as agrochem. fungicides)

IT 227466-50-4P, Methyl 2-methylthio-3-nitrobenzoate
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (preparation and hydrogenation; preparation of 3-(pyrazol-1-yl)benzoic
 acid derivs. as agrochem. fungicides)

IT 227466-47-9P 227466-48-0P 227466-49-1P 227468-11-3P
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except
 adverse); BSU (Biological study, unclassified); SPN (Synthetic
 preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of 3-(pyrazol-1-yl)benzoic acid derivs. as agrochem.
fungicides)

IT 5188-07-8, Sodium thiomethoxide
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (thioetherification of Me chloro(nitro)benzoate; preparation of
 3-(pyrazol-1-yl)benzoic acid derivs. as agrochem.
fungicides)

IT 53553-14-3, Methyl 2-chloro-3-nitrobenzoate
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (thioetherification with sodium thiomethoxide; preparation of
 3-(pyrazol-1-yl)benzoic acid derivs. as agrochem.
fungicides)

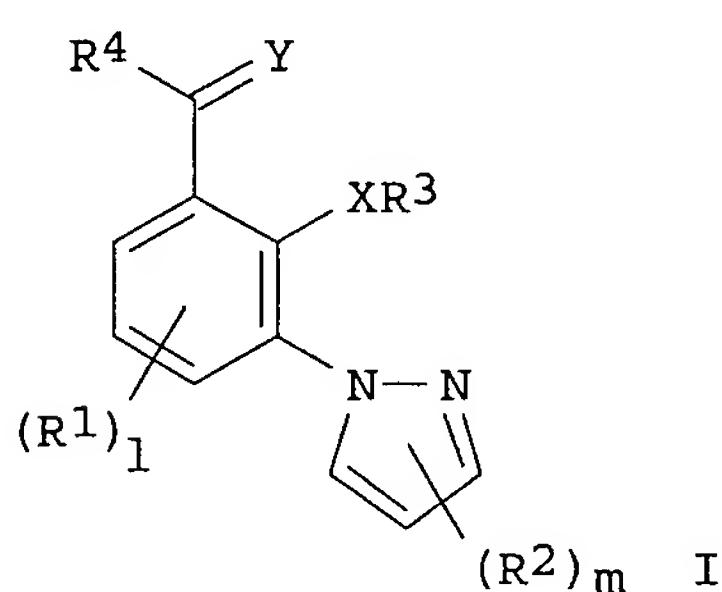
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L51 ANSWER 8 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1998:804131 CAPLUS
 DOCUMENT NUMBER: 130:48705
 TITLE: Synergistic fungicidal mixtures
 INVENTOR(S): Schelberger, Klaus; Scherer, Maria
 ; Sauter, Hubert; Hampel, Manfred; Ammermann,
 Eberhard; Lorenz, Gisela; Strathmann,
 Siegfried; Irwin, Peter; Gold, Randall Evan
 PATENT ASSIGNEE(S): Basf A.-G., Germany
 SOURCE: PCT Int. Appl., 17 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------|------|-------|-----------------|-------|
| ----- | --- | ----- | ----- | ----- |

DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------------------|----------|------------------|------------|
| WO 9929671 | A1 | 19990617 | WO 1998-EP7920 | 19981205 |
| W: CA, JP, MX, US | | | | |
| RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| PRIORITY APPLN. INFO.: | | | DE 1997-19754301 | A 19971208 |
| OTHER SOURCE(S): | MARPAT 131:44813 | | | |
| GI | | | | |



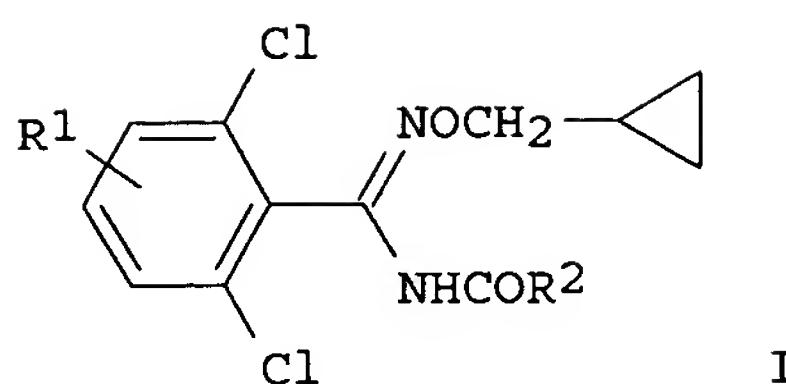
AB The title compds. [I; R₁ = C₁₋₄ alkyl, C₁₋₄ alkoxy, halo; R₂ = C₁₋₄ (halo)alkyl, C₁₋₄ alkoxy, C₃₋₆ cycloalkyl, halo, (un)substituted aryl; R₃ = C₁₋₆ alkyl, C₃₋₆ alkenyl, C₃₋₆ alkynyl, (un)substituted aryl, etc.; R₄ = ZR₅; R₅ = H, C₁₋₆ (halo)alkyl, C₃₋₆ alkenyl, (un)substituted Ph, etc.; X = S, SO, SO₂; Y = O, S; Z = O, S, etc.; l, m = 0-3] were prepared. For example, thioetherification of 2,3-Cl(O₂N)C₆H₃CO₂Me with NaSM_e in DMF gave 2-MeS analog which was hydrogenated in the presence of Raney Ni to give 2,3-MeS(H₂N)C₆H₃CO₂Me. This was diazotized, the diazonium salt reduced with SnCl₂ in aqueous HCl at -5 to 0° and the resulting hydrazo salt alkalized with 2N NaOH (pH 11) to give 2,3-MeS(H₂NNH)C₆H₃CO₂Me. The free base was cyclocondensed with (MeO)₂CH₂(OMe)₂ to give Me 2-methylthio-3-(pyrazol-1-yl)benzoate which was saponified with KOH in MeOH and the salt acidified to give a title derivative I (l = m = 0, R₃ = Me, R₄ = OH, X = S, Y = O) which gave protection of cucumber seedlings against *Colletotrichum lagenarium*.

IC ICM C07D231-12
 ICS A01N043-56

CC 28-8 (Heterocyclic Compounds (More Than One Hetero Atom))
 Section cross-reference(s): 5

ST pyrazolylbenzoic acid deriv prep agrochem **fungicide**; chloronitrobenzoate ester thioetherification agrochem **fungicide** prep; nitrobenzoate ester prep hydrogenation agrochem **fungicide** prep; aminobenzoate ester prep diazotization redn agrochem **fungicide** prep; hydrazinobenzoate ester prep cyclocondensation tetramethoxypropane agrochem **fungicide** prep; methylthiopyrazolylbenzoic acid prep agrochem **fungicide**

IT **Fungicides**
 (agrochem.; preparation of 3-(pyrazol-1-yl)benzoic acid derivs. as)



AB Title compds. [I; R1 = F; R2 = (substituted) phenylalkyl, thienylalkyl], were prepared. Thus, 2,6-dichloro-5-fluorobenzamidoxime (preparation given) and cyclopropylmethyl bromide in DMF at 0° were treated portionwise with NaH followed by 8 h stirring at 5° to give 2,6-dichloro-5-fluorobenzamide O-cyclopropylmethyloxime. The latter was refluxed with PhCH₂COCl in PhMe to give N-phenylacetyl-2,6-dichloro-5-fluorobenzamide O-cyclopropylmethyl oxime. This as a 10% spray gave complete control of Erysiphe graminis on wheat.

IC ICM C07C259-18
ICS C07C257-20

CC 25-22 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)
Section cross-reference(s): 5

ST cyclopropylmethyl benzamidoxime prepn agrochem fungicide

IT **Fungicides**
(agrochem.; preparation of cyclopropylmethyl benzamidoximes as agrochem. fungicides)

IT **Oximes**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of cyclopropylmethyl benzamidoximes as agrochem. fungicides)

IT 203122-23-0P 203122-79-6P 242125-76-4P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of cyclopropylmethyl benzamidoximes as agrochem. fungicides)

IT 103-80-0, Phenylacetyl chloride 7051-34-5, Cyclopropylmethyl bromide 178813-75-7
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of cyclopropylmethyl benzamidoximes as agrochem. fungicides)

IT 242125-77-5P 242125-78-6P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of cyclopropylmethyl benzamidoximes as agrochem. fungicides)

L51 ANSWER 7 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1999:388169 CAPLUS
 DOCUMENT NUMBER: 131:44813
 TITLE: Preparation of 3-(pyrazol-1-yl)benzoic acid derivatives as agrochemical fungicides
 INVENTOR(S): Eicken, Karl; Rheinheimer, Joachim; Wetterich, Frank; Ammermann, Eberhard; Lorenz, Gisela; Speakman, John-Bryan; Strathmann, Siegfried
 PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
 SOURCE: PCT Int. Appl., 30 pp.

2-Fluorobenzaldehyde 1567-73-3 17019-25-9 20703-41-7 251113-21-0
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (starting material; preparation of 2-iminoxyphenylacetic acid derivs. as
 fungicides and pesticides)

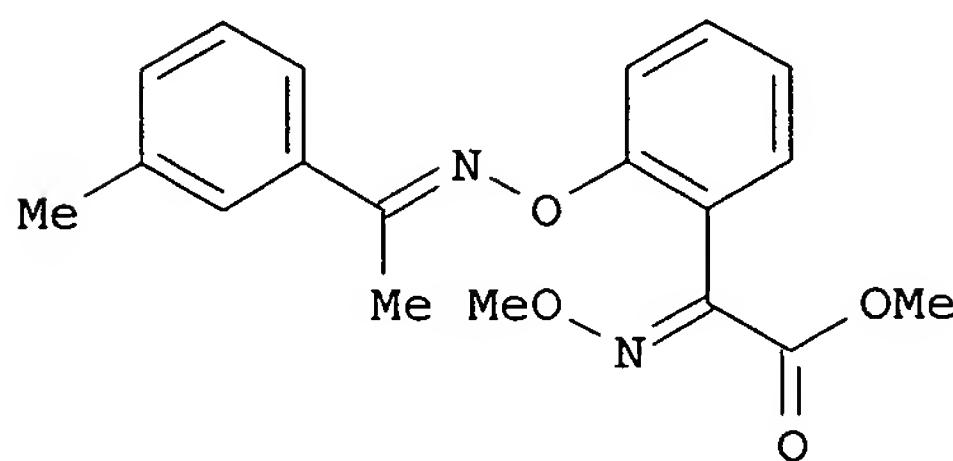
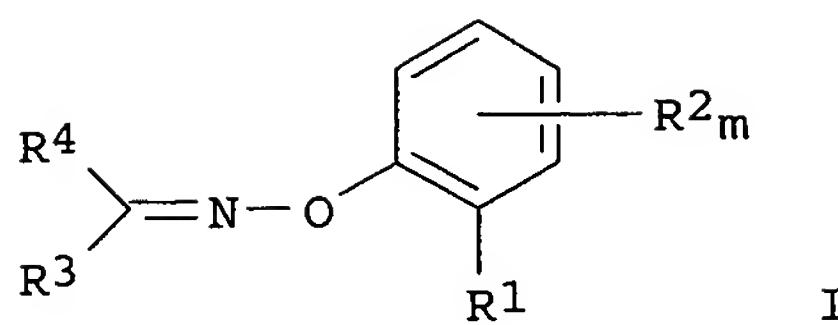
IT 192191-93-8P 192191-94-9P 192191-95-0P 192191-96-1P 192191-97-2P
 192191-98-3P 192191-99-4P 192192-00-0P 192192-01-1P 192192-02-2P
 192192-03-3P 192192-04-4P 192192-05-5P 192192-06-6P 251112-51-3P
 251112-52-4P 251112-53-5P 251112-54-6P 251112-55-7P 251112-56-8P
 251112-57-9P 251112-58-0P 251112-59-1P 251112-60-4P 251112-61-5P
 251112-62-6P 251112-63-7P 251112-64-8P 251112-65-9P 251112-66-0P
 251112-67-1P 251112-68-2P 251112-69-3P 251112-70-6P 251112-71-7P
 251112-72-8P 251112-73-9P 251112-74-0P 251112-75-1P 251112-76-2P
 251112-77-3P 251112-78-4P 251112-79-5P 251112-80-8P 251112-81-9P
 251112-82-0P 251112-83-1P 251112-84-2P 251112-85-3P 251112-86-4P
 251112-87-5P 251112-88-6P 251112-89-7P 251112-90-0P 251112-91-1P
 251112-92-2P 251112-93-3P 251112-94-4P 251112-95-5P 251112-96-6P
 251112-97-7P 251112-98-8P 251112-99-9P 251113-00-5P 251113-01-6P
 251113-02-7P 251113-03-8P 251113-04-9P 251113-05-0P 251113-06-1P
 251113-07-2P 251113-08-3P 251113-09-4P 251113-10-7P 251113-11-8P
 251113-12-9P 251113-13-0P 251113-14-1P 251113-15-2P 251113-16-3P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except
 adverse); BSU (Biological study, unclassified); SPN (Synthetic
 preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (target compound; preparation of 2-iminoxyphenylacetic acid derivs. as
 fungicides and pesticides)

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L51 ANSWER 6 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1999:597467 CAPLUS
 DOCUMENT NUMBER: 131:199514
 TITLE: Preparation of O-cyclopropylmethyl
 benzamidoximes as agrochemical
 fungicides.
 INVENTOR(S): Eicken, Karl; Rheinheimer, Joachim; Rose, Ingo; Rack,
 Michael; Ammermann, Eberhard; Lorenz,
 Gisela; Strathmann, Siegfried
 PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
 SOURCE: Eur. Pat. Appl., 10 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|-------------------|----------|-----------------|----------|
| EP 941988 | A2 | 19990915 | EP 1999-104435 | 19990305 |
| EP 941988 | A3 | 20000920 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO | | | | |
| JP 11292837 | A2 | 19991026 | JP 1999-63271 | 19990310 |
| PRIORITY APPLN. INFO.: DE 1998-19810142 A 19980310 | | | | |
| OTHER SOURCE(S): | MARPAT 131:199514 | | | |
| GI | | | | |



AB Title compds. (I) [where R₁ = C(CO₂CH₃) : NOCH₃, C(CONHCH₃) : NOCH₃, C(CONH₂) : NOCH₃, C(CO₂CH₃) : CHOCH₃, or C(CO₂CH₃) : CHCH₃; R₂ = cyano, NO₂, halogen, (halo)alkyl, or alkoxy; m = 0, 1, or 2; R₃ = H, cyano, OH, halogen, (halo)alkyl, alkoxy(alkyl), haloalkoxy, alkylthio, cycloalkyl(alkyl), alkenyl, (un)substituted aryl, aryl(oxy)alkyl, or **benzyloxy**; R₄ = H, cyano, (un)substituted (cyclo)alkyl(oxy), alkenyl(oxy), alkynyl(oxy), heterocyclyl(oxy), (hetero)aryl(oxy), or (hetero)arylthio, etc.; R₃ and R₄ together with the C to which they are bonded = (un)substituted 4- to 8-membered heterocyclic ring] were prepared. Thus, Me 2-fluorophenylglyoxalate was added to 3-methylacetophenone oxime in DMA and tert-BuOK to form the O-substituted oxime. Addition of O-methylhydroxylamine.HCl and pyridine to the keto ester in MeOH yielded II. I are mitochondrial respiration inhibitors and displayed IC₅₀ values of 0.0033 μ M to 0.32 μ M. Representative invention compds. showed fungicidal activity against *Erysiphe graminis* var. *tritici* and *Plasmopara viticola* on wheat and demonstrated pesticidal activity against *Aphis fabae*, *Heliothis verescens*, *Nephrotettix cincticeps*, *Prodenia litura*, and *Tetranychus telarius*.

IC ICM C07C251-60
ICS A01N037-50

INCL 514255000

CC 25-18 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)
Section cross-reference(s): 5

ST iminoxyphenylacetic acid prepn **fungicide** pesticide

IT **Fungicides**

(agrochem.; preparation of 2-iminoxyphenylacetic acid derivs. as **fungicides** and **pesticides**)

IT **Pesticides**

(preparation of 2-iminoxyphenylacetic acid derivs. as **fungicides** and **pesticides**)

IT 40212-75-7P 76099-55-3P 132115-73-2P, Methyl 2-fluorophenylglyoxylate
133721-88-7P, 2-Fluorobenzaldehyde cyanohydrin 192192-07-7P
192192-08-8P 192884-55-2P 192884-56-3P 251113-17-4P 251113-18-5P
251113-19-6P 251113-20-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(intermediate; preparation of 2-iminoxyphenylacetic acid derivs. as **fungicides** and **pesticides**)

IT 100-52-7, **Benzaldehyde**, reactions 446-52-6,

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of **benzyltriazolones** and related compds. as pesticides and **fungicides**)

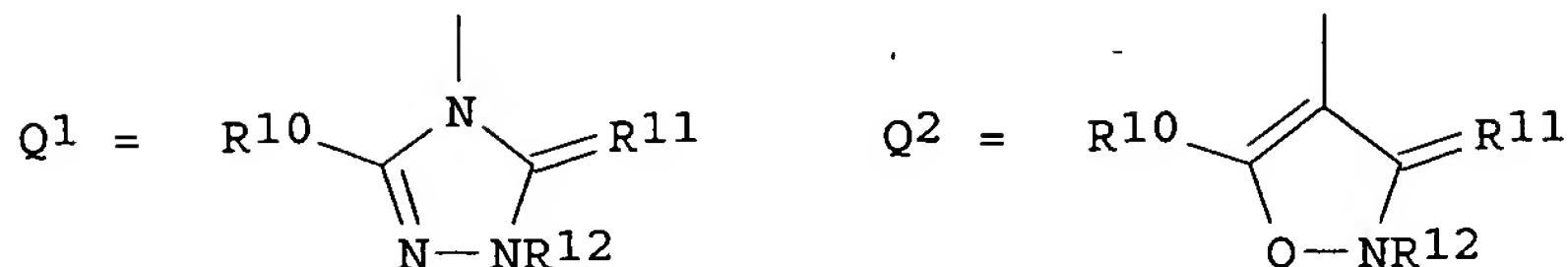
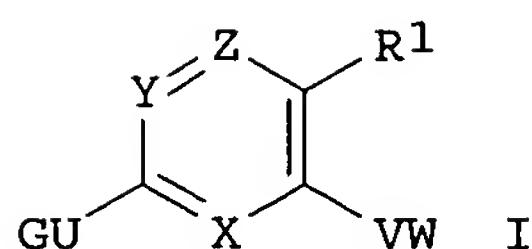
IT 57-14-7, 1,1-Dimethylhydrazine 95-48-7, 2-Methylphenol, reactions
 5720-06-9, 2-Methoxyphenylboronic acid 39959-54-1, 3-Bromobenzylamine hydrochloride 42365-50-4, 3-Methylbenzylamine hydrochloride
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation of **benzyltriazolones** and related compds. as pesticides and **fungicides**)

IT 61924-25-2P 93489-12-4P 256387-43-6P 256387-44-7P 256387-45-8P
 256387-46-9P 256387-47-0P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of **benzyltriazolones** and related compds. as pesticides and **fungicides**)

L51 ANSWER 5 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1999:761521 CAPLUS
 DOCUMENT NUMBER: 132:3250
 TITLE: Preparation of 2-iminoxyphenylacetic acid derivatives as **fungicides** and pesticides
 INVENTOR(S): Grote, Thomas; Sauter, Hubert; Kirstgen, Reinhard; Bayer, Herbert; Muller, Ruth; Muller, Bernd; Oberdorf, Klaus; Grammenos, Wassilius; Gotz, Norbert; Rack, Michael; Harreus, Albrecht; Rohl, Franz; Ammermann, Eberhard; Harries, Volker; Lorenz, Gisela; Strathmann, Siegfried
 PATENT ASSIGNEE(S): BASF A.-G., Germany
 SOURCE: U.S., 58 pp.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 3
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|------------------|------------|
| US 5994359 | A | 19991130 | US 1998-91921 | 19980625 |
| DE 19548370 | A1 | 19970703 | DE 1995-19548370 | 19951227 |
| DE 19604732 | A1 | 19970814 | DE 1996-19604732 | 19960209 |
| DE 19622332 | A1 | 19971211 | DE 1996-19622332 | 19960604 |
| WO 9724317 | A1 | 19970710 | WO 1996-EP5642 | 19961216 |
| W: AU, BG, BR, CA, CN, CZ, GE, HU, IL, JP, KR, LV, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TR, UA, US, AM, AZ, BY, KG, KZ, MD, TJ, TM | | | | |
| RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| PRIORITY APPLN. INFO.: | | | DE 1995-19548370 | A 19951227 |
| | | | DE 1996-19604732 | A 19960209 |
| | | | DE 1996-19622332 | A 19960604 |
| | | | DE 1996-19636512 | A 19960909 |
| | | | WO 1996-EP5642 | W 19961216 |

OTHER SOURCE(S): MARPAT 132:3250
 GI



AB Title compds. [I; X, Y, Z = N, = CR1; R1 = H, cyano, NO₂, halo, alkyl, haloalkyl, alkoxy, haloalkoxy, alkylthio, haloalkylthio; W = Q1, Q2; U = bond, O, OCH₂; G = ECR₂N, (substituted) heterocyclyl, aryl, heteroaryl, arylmethylene, heteroarylmethylen, etc.; V = CH₂, NR_a, O, S, CO, etc.; R_a = H, alkyl; R₂ = H, cyano, alkyl, haloalkyl, alkoxy, alkoxyalkyl, cycloalkyl; R₁₀ = halo, alkyl, alkoxy, alkylthio, amino, etc.; R₁₁ = O, S; R₁₂ = H, alkyl; with provisos], were prepared. Thus, 3-BrC₆H₄CH₂NCO reacted with Me₂NNH₂ in CH₂Cl₂ to give 3-BrC₆H₄CH₂NHCONHNMe₂, which in C₁₃CCH₃ was treated with triphosgene in C₁₃CCH₃ at 60° to give 5-chloro-4-(3-bromobenzyl)-2,4-dihydro-2-methyl-3H-1,2,4-triazol-3-one. The latter was refluxed with 2-MeOC₆H₄B(OH)₂, Pd(PPh₃)₄, and Na₂CO₃ in MeOCH₂CH₂OMe/H₂O to give 5-chloro-4-[3-(2-methoxyphenyl)**benzyl**]-2,4-dihydro-2-methyl-3H-1,2,4-triazol-3-one. Reflux of this with NaOMe in MeOH/MeOCH₂CH₂OMe gave 5-methoxy-4-[3-(2-methoxyphenyl)**benzyl**]-2,4-dihydro-2-methyl-3H-1,2,4-triazol-3-one. I inhibited *Saccharomyces cerevisiae* mitochondrial respiration by 0.4-23 times that of a control compound.

IC ICM C07D249-12

ICS C07D403-06; C07D403-10; C07D403-12; C07D263-12; C07D413-06;
C07D413-10; C07D413-12; C07D403-14; A61K031-41; A01N043-48;
A01N043-653

CC 28-10 (Heterocyclic Compounds (More Than One Hetero Atom))

Section cross-reference(s): 5

ST **benzyltriazolone** prepⁿ pesticide

benzyl prep

ngicides
(agrochem.; preparation of **benzyltriazolones** and related compds.)

as pest

pesticides

(prepar
ation)

pesticides and fungicides)
6387-19-6P 256387-23-2P

RL: AGR (A)

adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(preparation of **benzyltria**
pesticides and fungicides)

| | | | | | |
|----|--------------|--------------|--------------|--------------|--------------|
| IT | 220463-48-9P | 220463-53-6P | 256387-11-8P | 256387-12-9P | 256387-13-0P |
| | 256387-14-1P | 256387-15-2P | 256387-16-3P | 256387-17-4P | 256387-18-5P |
| | 256387-20-9P | 256387-21-0P | 256387-22-1P | 256387-24-3P | 256387-25-4P |
| | 256387-26-5P | 256387-27-6P | 256387-28-7P | 256387-29-8P | 256387-30-1P |
| | 256387-31-2P | 256387-32-3P | 256387-33-4P | 256387-34-5P | 256387-35-6P |
| | 256387-36-7P | 256387-37-8P | 256387-38-9P | 256387-39-0P | 256387-40-3P |
| | 256387-41-4P | 256387-42-5P | | | |

fungicides)

IT Oximes
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of **benzamidoximes** as agrochem. **fungicides**)

IT 261900-80-5P 261900-81-6P 261900-82-7P 261900-83-8P 261900-84-9P
 261900-85-0P
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of **benzamidoximes** as agrochem. **fungicides**)

IT 75-45-6, Chlorodifluoromethane 103-80-0, Phenylacetyl chloride
 7051-34-5, Cyclopropylmethyl bromide 57764-46-2, 2,6-Dihydroxybenzonitrile
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation of **benzamidoximes** as agrochem. **fungicides**)

IT 261900-86-1P 261900-87-2P 261900-88-3P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of **benzamidoximes** as agrochem. **fungicides**)

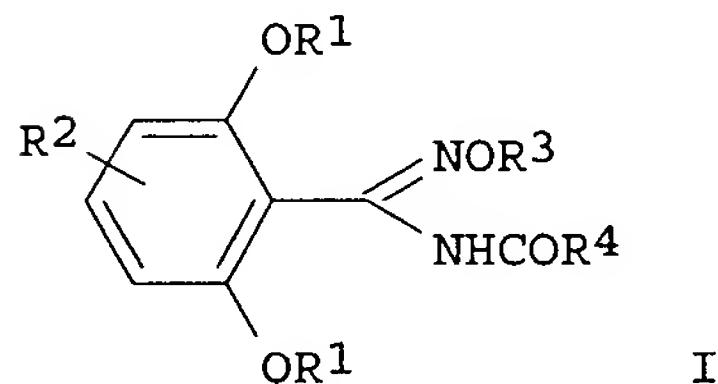
REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L51 ANSWER 4 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2000:83202 CAPLUS
 DOCUMENT NUMBER: 132:122624
 TITLE: Preparation of **benzyltriazolones** and related compounds as pesticides and **fungicides**.
 INVENTOR(S): Cullmann, Oliver; Goetz, Roland; Sauter, Hubert; Bayer, Herbert; Gewehr, Markus; Grammenos, Wassilius; Gypser, Andreas; Mueller, Bernd; Ptock, Arne; Ammermann, Eberhard; Grote, Thomas; Lorenz, Gisela; Strathmann, Siegfried; Harries, Volker
 PATENT ASSIGNEE(S): BASF A.-G., Germany
 SOURCE: Ger. Offen., 178 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|-------------------|----------|------------------|----------|
| DE 19834557 | A1 | 20000203 | DE 1998-19834557 | 19980731 |
| PRIORITY APPLN. INFO.: | | | DE 1998-19834557 | 19980731 |
| OTHER SOURCE(S): | MARPAT 132:122624 | | | |
| GI | | | | |

L51 ANSWER 3 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2000:210108 CAPLUS
 DOCUMENT NUMBER: 132:236889
 TITLE: Preparation of **benzamidoximes** as
 agrochemical fungicides
 INVENTOR(S): Eicken, Karl; Rheinheimer, Joachim; Rose, Ingo;
 Ammermann, Eberhard; Grote, Thomas;
 Strathmann, Siegfried; Lorenz, Gisela
 PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
 SOURCE: PCT Int. Appl., 29 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|--------|------------|------------------|------------|
| WO 2000017156 | A1 | 20000330 | WO 1999-EP6688 | 19990910 |
| W: JP, US RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| PRIORITY APPLN. INFO.: | | | DE 1998-19843326 | A 19980922 |
| OTHER SOURCE(S): | MARPAT | 132:236889 | | |
| GI | | | | |



AB Title compds. [I; R1 = F2HC, F3C; R2 = H, F; R3 = alkyl, cyanoalkyl, haloalkyl, alkoxyalkyl, alkenyl, haloalkenyl, alkynyl, cycloalkylalkyl; R4 = (substituted) phenylalkyl, thienylalkyl, pyrazolylalkyl], were prepared. Thus, 2,6-dihydroxybenzonitrile and NaOH in 1,2-dimethoxyethane was treated with ClF2CH followed by stirring for 2 h at 70-75° to give 2,6-bis(difluoromethoxy)benzonitrile. This was stirred with NH2OH.HCl and Na2CO3 in H2O/EtOH to give 2,6-bis(difluoromethoxy)benzamidoxime. This was stirred with NaH and cyclopropylmethyl bromide in DMF to give 2,6-bis(difluoromethoxy)benzamide O-cyclopropylmethyloxime. The latter was refluxed with PhCH2COCl in PhMe to give N-phenylacetyl-2,6-bis(difluoromethoxy)benzamide O-cyclopropylmethyloxime. The latter at 63 ppm gave complete control of Erysiphe graminis on wheat seedlings.

IC ICM C07C257-20
ICS A01N037-52; C07C259-18

CC 25-22 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)
Section cross-reference(s): 5

ST **benzamidoxime** prepⁿ agrochem **fungicide**; oxime
benzamide prepⁿ agrochem **fungicide**

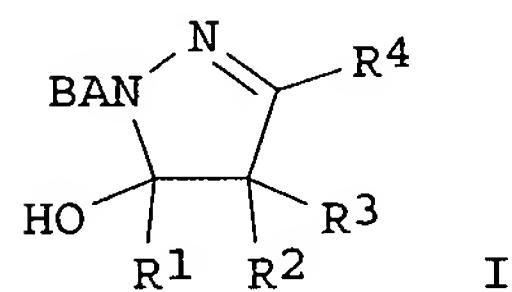
IT **Fungicides**
(agrochem.; preparation of **benzamidoximes** as agrochem.

1-yl-4-bromophenylmethanone. The latter at 250 ppm reduced incidence of *Phytophthora infestans* on tomatoes to ≤20%, vs. 100% for untreated controls.

IC ICM C07D231-00
 CC 28-8 (Heterocyclic Compounds (More Than One Hetero Atom))
 Section cross-reference(s): 5
 ST hydroxypyrazole prep agrochem **fungicide**; aroylhydroxypyrazole prep agrochem **fungicide**
 IT **Fungicides**
 (agrochem.; preparation of 5-hydroxypyrazoles as agrochem. **fungicides**)
 IT 78051-39-5P 78051-40-8P 82366-05-0P 82366-25-4P 82366-26-5P
 82366-30-1P 92916-81-9P 92916-82-0P 92916-85-3P 113307-79-2P
 148843-67-8P 203200-71-9P 203200-72-0P 203200-73-1P 203200-92-4P
 203200-94-6P 203200-95-7P 263699-30-5P 263699-31-6P 263699-32-7P
 263699-33-8P 263699-34-9P 263699-35-0P 263699-36-1P 263699-37-2P
 263699-38-3P 263699-39-4P 263699-40-7P 263699-41-8P 263699-42-9P
 263699-43-0P 263699-44-1P 263699-45-2P 263699-46-3P 263699-47-4P
 263699-48-5P 263699-49-6P 263699-50-9P 263699-51-0P 263699-52-1P
 263699-53-2P 263699-54-3P 263699-55-4P 263699-56-5P 263699-57-6P
 263699-58-7P 263699-59-8P 263699-60-1P 263699-61-2P 263699-62-3P
 263699-63-4P 263699-64-5P 263699-65-6P 263699-66-7P 263699-67-8P
 263699-68-9P 263699-69-0P 263699-70-3P 263699-71-4P 263699-72-5P
 263699-73-6P 263699-74-7P 263699-75-8P 263699-76-9P 263699-77-0P
 263699-78-1P 263699-79-2P 263699-80-5P 263699-81-6P 263699-82-7P
 263699-83-8P 263699-84-9P 263699-85-0P 263699-86-1P 263699-87-2P
 263699-88-3P 263699-89-4P 263699-90-7P 263699-91-8P 263699-92-9P
 263699-93-0P 263699-94-1P 263699-95-2P 263699-96-3P 263699-97-4P
 263699-98-5P 263699-99-6P 263700-00-1P 263700-01-2P 263700-02-3P
 263700-03-4P 263700-04-5P 263700-05-6P 263700-06-7P 263700-07-8P
 263700-08-9P 263700-09-0P 263700-10-3P 263700-11-4P 263700-12-5P
 263700-13-6P 263700-14-7P 263700-15-8P 263700-16-9P 263700-17-0P
 263700-18-1P 263700-19-2P 263700-20-5P 263700-21-6P 263700-22-7P
 263700-23-8P 263700-24-9P 263700-25-0P 263700-26-1P 263700-27-2P
 263700-28-3P 263700-29-4P 263700-30-7P 263700-31-8P 263700-32-9P
 263700-33-0P 263700-34-1P 263700-35-2P 263700-36-3P 263700-37-4P
 263700-38-5P 263700-39-6P 263700-40-9P 263700-41-0P 263700-42-1P
 263700-43-2P 263700-44-3P 263700-45-4P 263700-46-5P 263700-47-6P
 263700-48-7P 263700-49-8P 263700-50-1P 263700-51-2P 263700-52-3P
 263700-53-4P 263700-54-5P 263700-55-6P 263700-56-7P 263700-57-8P
 263700-58-9P 263700-59-0P 263700-60-3P 263700-61-4P 263700-62-5P
 263700-63-6P 263700-64-7P 263700-65-8P 263700-66-9P 263700-67-0P
 263700-68-1P 263700-69-2P 263700-70-5P 263700-71-6P 263700-72-7P
 263700-73-8P 263700-74-9P 263700-75-0P 263700-76-1P
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of 5-hydroxypyrazoles as agrochem. **fungicides**)
 IT 67-64-1, Acetone, reactions 80-17-1, **Benzenesulfonic acid**
 hydrazide 98-60-2, 4-Chlorophenylsulfonyl chloride 356-27-4
 367-57-7, Trifluoroacetylacetone 426-65-3 5351-23-5, 4-Hydroxybenzoic acid hydrazide 5933-32-4 65719-09-7, Methyl 2-methylpyridine-3-carboxylate
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation of 5-hydroxypyrazoles as agrochem. **fungicides**)
 IT 356-30-9P 356-40-1P 2751-25-9P 197079-01-9P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of 5-hydroxypyrazoles as agrochem. **fungicides**)

DOCUMENT NUMBER: 132:279215
 TITLE: Preparation of 5-hydroxypyrazoles as agrochemical fungicides.
 INVENTOR(S): Gypser, Andreas; Kirstgen, Reinhard; Sauter, Hubert; Bayer, Herbert; Cullmann, Oliver; Gewehr, Markus; Grammenos, Wassilios; Muller, Bernd; Ptock, Arne; Tormo i Blasco, Jordi; Ammermann, Eberhard; Grote, Thomas; Lorenz, Gisela; Strathmann, Siegfried
 PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany; et al.
 SOURCE: PCT Int. Appl., 41 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|-------------------|------------------|------------|
| WO 2000020399 | A2 | 20000413 | WO 1999-EP7125 | 19990924 |
| WO 2000020399 | A3 | 20000727 | | |
| W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| AU 9961965 | A1 | 20000426 | AU 1999-61965 | 19990924 |
| EP 1117650 | A2 | 20010725 | EP 1999-948860 | 19990924 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO | | | | |
| JP 2002526536 | T2 | 20020820 | JP 2000-574516 | 19990924 |
| PRIORITY APPLN. INFO.: | | | DE 1998-19845509 | A 19981002 |
| | | | WO 1999-EP7125 | W 19990924 |
| OTHER SOURCE(S): GI | | MARPAT 132:279215 | | |



AB Use of title compds. [I; B = aryl, heteroaryl; A = CO, CS, SO₂; R₁ = alkyl, haloalkyl, alkenyl, haloalkenyl, alkynyl, haloalkynyl, cycloalkyl, cycloalkenyl, cycloalkynyl, aryl, heterocyclyl, heteroaryl; R₂ = H; R₃ = H, NO₂, cyano, N(R')₂, alkyl, haloalkyl, alkoxy, haloalkoxy, alkenyl, haloalkenyl, alkynyl, haloalkynyl; R' = H, alkyl; R₂R₃ = O, S, NOR₅; R₅ = H, alkyl, haloalkyl, alkenyl, haloalkenyl, alkynyl, haloalkynyl; R₄ = H, halo, NO₂, cyano, N(R')₂, alkyl, haloalkyl, CO₂R', heteroaryl, heterocyclyl], for combating harmful fungi is claimed. Thus, reaction of 4-bromobenzoic acid hydrazide with 5,5,6,6,6-pentafluoro-2,4-hexanedione gave 5-hydroxy-5-(1,1,1,2,2-pentafluoroethyl)-3-methyl-4,5-dihydropyrazol-

were prepared. Thus, a mixture of 4-amino-1,3-dimethyl-1H-pyrazole-5-carboxylic acid Et ester, pyridine, and 4-dimethylaminopyridine in CH₂Cl₂ was dropwise treated with 3-(4-chlorophenoxy)phenylacetyl chloride followed by stirring for 1 day at 20°-25° to give 76% 4-([3-(4-chlorophenoxy)phenyl]acetylamino)-1,3-dimethyl-1H-pyrazole-5-carboxylic acid Et ester. The latter at 63 ppm showed 20% control of *Alternaria solani* on tomato.

IC ICM C07D231-40
 ICS A01N043-56; C07D405-12; C07D413-12; C07D403-12
 CC 28-8 (Heterocyclic Compounds (More Than One Hetero Atom))
 Section cross-reference(s): 5
 ST acetylaminopyrazole prepn agricultural **fungicide**; pyrazole acetylamino prepn pesticide
 IT **Fungicides**
 (agrochem.; preparation of acylated aminopyrazoles as agricultural **fungicides** and pesticides)
 IT **Pesticides**
 (preparation of acylated aminopyrazoles as agricultural **fungicides** and pesticides)
 IT 406186-26-3P 476327-93-2P 476327-95-4P 476327-96-5P 476327-97-6P
 476327-98-7P 476327-99-8P 476328-00-4P 476328-01-5P 476328-02-6P
 476328-03-7P 476328-04-8P 476328-05-9P 476328-07-1P 476328-08-2P
 476328-09-3P 476328-10-6P 476328-11-7P 476328-12-8P 476328-13-9P
 476328-14-0P 476328-15-1P 476328-16-2P 476328-17-3P 476328-18-4P
 476328-19-5P 476328-20-8P 476328-22-0P 476328-23-1P 476328-24-2P
 476328-25-3P 476328-26-4P 476328-27-5P 476328-28-6P 476328-29-7P
 476328-30-0P 476328-31-1P 476328-32-2P 476328-33-3P 476328-34-4P
 476328-35-5P 476328-37-7P 476328-38-8P 476328-39-9P 476328-40-2P
 476328-41-3P 476328-42-4P 476328-43-5P 476328-44-6P 476328-45-7P
 476328-46-8P 476328-47-9P 476328-48-0P 476328-49-1P 476328-50-4P
 476328-51-5P 476328-52-6P 476328-53-7P 476328-54-8P 476328-55-9P
 476328-56-0P 476328-57-1P 476328-58-2P 476328-59-3P 476328-60-6P
 476328-61-7P 476328-62-8P 476328-63-9P 476328-64-0P 476328-65-1P
 476328-66-2P 476328-67-3P 476328-68-4P 476328-69-5P 476328-70-8P
 476328-71-9P 476328-72-0P 476328-73-1P 476328-74-2P 476328-75-3P
 476328-76-4P 476328-77-5P 476328-78-6P 476328-79-7P 476328-80-0P
 476328-81-1P 476328-82-2P 476328-83-3P 476328-84-4P 476328-85-5P
 476328-86-6P 476328-87-7P 476328-88-8P 476328-89-9P 476328-91-3P
 476328-93-5P 476328-96-8P 476328-98-0P 476329-00-7P 476329-02-9P
 476329-04-1P 476329-06-3P 476329-08-5P 476329-10-9P 476329-13-2P
 476329-15-4P 476329-18-7P 476329-20-1P 476329-22-3P 476329-24-5P
 476329-26-7P 476329-29-0P 476329-30-3P 476329-31-4P 476329-32-5P
 476329-33-6P 476329-34-7P 476329-35-8P 476329-36-9P 476329-37-0P
 476329-38-1P 476329-39-2P 476329-40-5P 476329-41-6P 476329-42-7P
 476329-43-8P
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of acylated aminopyrazoles as agricultural **fungicides** and pesticides)
 IT 78220-39-0 174522-62-4 476327-94-3
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation of acylated aminopyrazoles as agricultural **fungicides** and pesticides)

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L51 ANSWER 2 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2000:241197 CAPLUS

Rose, Ingo; Sauter, Hubert; Tormo i Blasco, Jordi;
Lorenz, Gisela; Ammermann, Eberhard;
Stierl, Reinhard; Strathmann,
Siegfried

PATENT ASSIGNEE (S) : ~~BASF~~ BASF Aktiengesellschaft, Germany

SOURCE: PCT Int. Appl., 72 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

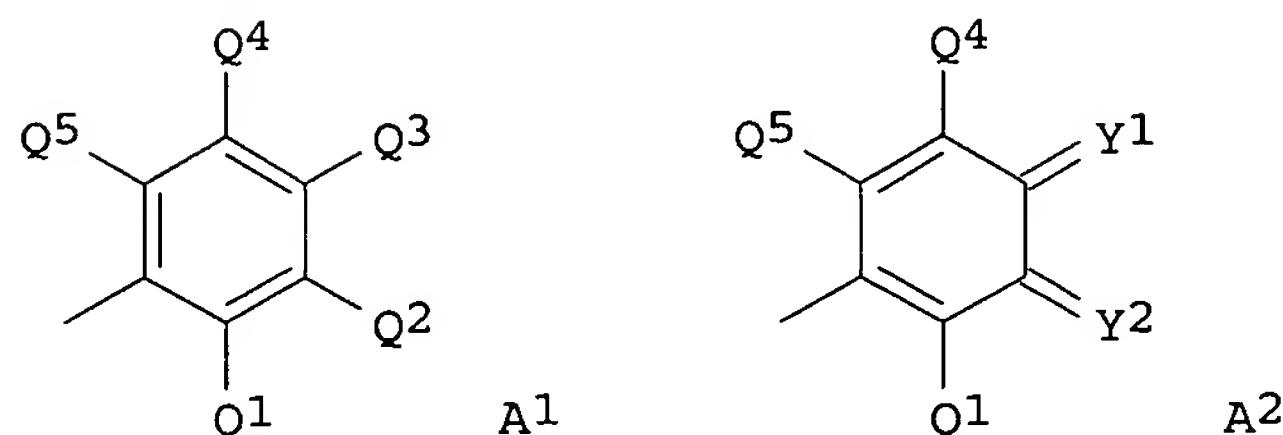
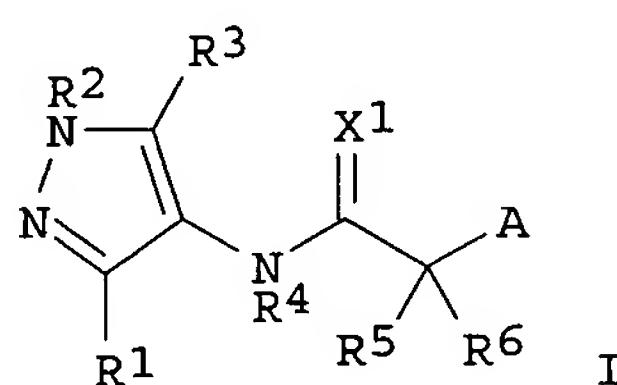
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|------------------|------------|
| WO 2002094793 | A1 | 20021128 | WO 2002-EP5471 | 20020517 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| RITY APPLN. INFO.: | | | DE 2001-10125548 | A 20010523 |

PRIORITY APPLN. INFO.: DE 2001-10125548 A 20010523

OTHER SOURCE(S) : MARPAT 137:384840

GI



AB Title compds. [I; A = A1, A2; X1 = O, S; R1 = H, alkyl, haloalkyl, alkoxyalkyl, cycloalkyl; R2 = alkyl, haloalkyl, alkoxyalkyl, cycloalkyl; R3 = H, halo, cyano, alkyl, haloalkyl, etc.; R4 = H, alkyl, cyanoalkyl, alkoxycarbonylalkyl, alkenyl, alkynyl, etc.; R5, R6 = H, halo, alkyl; or R5R6 = 3-6 membered ring; Q1-Q3 = H, halo, NO₂, cyano, OH, (halo)alkyl, (halo)alkoxy, alkenyloxy, alkylcarbonyloxy, alkylthio, etc.; Q4, Q5 = H, halo, OH, alkyl, haloalkyl, (halo)alkoxy, phenoxy, **benzyloxy**],

held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 31 May 2006 VOL 144 ISS 23
FILE LAST UPDATED: 30 May 2006 (20060530/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

'OBI' IS DEFAULT SEARCH FIELD FOR 'CAPLUS' FILE

=> d que 151 *Inventors*

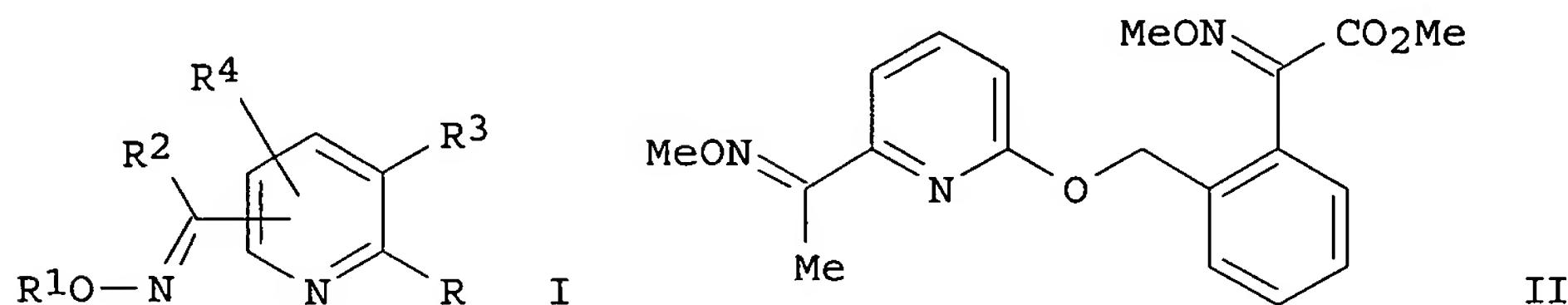
L37 583 SEA FILE=CAPLUS ABB=ON PLU=ON ("AMMERMANN E"/AU OR "AMMERMANN EBERHARD"/AU OR "AMMERMANN EBERHARD DR"/AU OR "AMMERMANN ERBERHARD"/AU)
L38 197 SEA FILE=CAPLUS ABB=ON PLU=ON ("STIERL R"/AU OR "STIERL REINHARD"/AU OR "STIERL RHEINHARD"/AU)
L39 3 SEA FILE=CAPLUS ABB=ON PLU=ON ("SCHOFL U"/AU OR "SCHOFL U A"/AU OR "SCHOFL ULRICH"/AU)
L40 353 SEA FILE=CAPLUS ABB=ON PLU=ON ("STRATHMANN S"/AU OR "STRATHMANN SIEGFRIED"/AU OR "STRATHMANN SIEGRIED"/AU)
L41 123 SEA FILE=CAPLUS ABB=ON PLU=ON ("SCHELBERGER K"/AU OR "SCHELBERGER KLAUS"/AU)
L42 264 SEA FILE=CAPLUS ABB=ON PLU=ON ("SCHERER M"/AU OR "SCHERER M A"/AU OR "SCHERER M DON"/AU OR "SCHERER M M"/AU OR "SCHERER M N"/AU OR "SCHERER M S"/AU OR "SCHERER M T"/AU OR "SCHERER MARIA"/AU)
L43 34 SEA FILE=CAPLUS ABB=ON PLU=ON ("HADEN E"/AU OR "HADEN EGON"/AU)
L44 376 SEA FILE=CAPLUS ABB=ON PLU=ON (L37 AND (L38 OR L39 OR L40 OR L41 OR L42 OR L43)) OR (L38 AND (L39 OR L40 OR L41 OR L42 OR L43)) OR (L39 AND (L40 OR L41 OR L42 OR L43)) OR (L40 AND (L41 OR L42 OR L43)) OR (L41 AND (L42 OR L43)) OR (L42 AND L43)
L46 373 SEA FILE=CAPLUS ABB=ON PLU=ON L44 AND FUNG?/OBI
L48 59 SEA FILE=CAPLUS ABB=ON PLU=ON L46 AND (BENZ?/OBI OR AZOL?/OBI)
L49 89 SEA FILE=CAPLUS ABB=ON PLU=ON L46 AND (BENZ? OR AZOL?)/BI
L50 89 SEA FILE=CAPLUS ABB=ON PLU=ON (L48 OR L49)
L51 31 SEA FILE=CAPLUS ABB=ON PLU=ON L50 NOT (PY>2002 OR AY>2002 OR PRY>2002)

=> d ibib abs hitind 151 tot

L51 ANSWER 1 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:906170 CAPLUS
DOCUMENT NUMBER: 137:384840
TITLE: Preparation of acylated 4-aminopyrazoles as agricultural **fungicides** and pesticides
INVENTOR(S): Schaefer, Peter; Grote, Thomas; Schiweck, Frank; Holzenkamp, Uta; Gewehr, Markus; Grammenos, Wassilius; Gypser, Andreas; Mueller, Bernd; Rheinheimer, Joachim;

| | | | | |
|---|----|----------|------------------|------------|
| WO 9730032 | A1 | 19970821 | WO 1997-EP736 | 19970217 |
| W: AU, BG, BR, CA, CN, CZ, GE, HU, IL, JP, KR, LV, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TR, UA, US, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| DE 19605903 | A1 | 19970821 | DE 1996-19605903 | 19960217 |
| ZA 9701256 | A | 19980814 | ZA 1997-1256 | 19970214 |
| AU 9718738 | A1 | 19970902 | AU 1997-18738 | 19970217 |
| EP 885194 | A1 | 19981223 | EP 1997-905033 | 19970217 |
| EP 885194 | B1 | 20021016 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, FI | | | | |
| JP 2000504710 | T2 | 20000418 | JP 1997-529007 | 19970217 |
| AT 226195 | E | 20021115 | AT 1997-905033 | 19970217 |
| US 6114363 | A | 20000905 | US 1998-117702 | 19980804 |
| PRIORITY APPLN. INFO.: | | | DE 1996-19605903 | A 19960217 |
| | | | WO 1997-EP736 | W 19970217 |

OTHER SOURCE(S) : MARPAT 127:234254
GI



AB Title compds. [I; R = O(CH₂)_nZR₅; R₁ = H or C-attached organic group (sic); R₂ = H, cyano, C-, O-, or S-attached organic group (sic); R₃ = H, halo, (halo)alkyl; R₄ = H or 1 or 2 of cyano, NO₂, halo, C-, O-, or S-attached organic group (sic); R₅ = C(:NOMe)R₆, C(:CHMe)R₆, etc.; R₆ = CO₂Me, CONHMe, etc.; Z = (un)substituted 1,2-phenylene; n = 0 or 1] were prepared. Thus, 2-hydroxy-6-acetylpyridine (preparation given) was condensed with MeONH₂.HCl and the product etherified by (E)-4-(BrCH₂)C₆H₄C(:NOMe)CO₂Me to give title compound (E)-II. Data for biol. activity of I were given.

IC ICM C07D213-64
ICS A01N043-40

CC 27-16 (Heterocyclic Compounds (One Hetero Atom))

Section cross-reference(s): 5

ST pyridyloxymethylalkoximinophenylacetate prepn agrochem fungicide

IT Fungicides

(agrochem.; 2-[[6-(1-alkoximinoalkyl)-2-pyridyl]oxy(methyl)]- α -(alkoximino)phenylacetates and analogs)

| | | | | |
|-----------------|--------------|--------------|--------------|--------------|
| IT 195318-93-5P | 195318-94-6P | 195318-95-7P | 195318-96-8P | 195318-97-9P |
| 195318-98-0P | 195318-99-1P | 195319-00-7P | 195319-02-9P | 195319-04-1P |
| 195319-06-3P | 195319-08-5P | 195319-11-0P | 195319-12-1P | 195319-13-2P |
| 195319-14-3P | 195319-15-4P | 195319-16-5P | 195319-17-6P | 195319-18-7P |
| 195319-19-8P | 195319-20-1P | 195319-21-2P | 195319-22-3P | 195319-23-4P |
| 195319-24-5P | 195319-25-6P | 195319-27-8P | 195319-30-3P | 195319-32-5P |
| 195319-34-7P | 195319-36-9P | 195319-38-1P | 195319-41-6P | 195319-45-0P |
| 195319-48-3P | | | | |

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of 2-[[6-(1-alkoximinoalkyl)-2-pyridyl]oxy(methyl)]- α -(alkoximino)phenylacetates and analogs as agrochem. fungicides

)
IT 622-33-3, **Benzylloxyamine** 626-05-1, 2,6-Dibromopyridine
38945-21-0, Allyloxyamine hydrochloride 55676-22-7, Ethanone,
1-(6-chloro-3-pyridinyl)- 65550-78-9, 2-Bromo-3-methyl-5-iodopyridine
120800-05-7, Ethanone, 1-(5,6-dichloro-3-pyridinyl)- 133409-72-0
149728-97-2
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of 2-[[6-(1-alkoximinoalkyl)-2-pyridyl]oxy(methyl)]- α -
(alkoximino)phenylacetates and analogs as agrochem. **fungicides**
)
IT 4645-11-8P, 2-Bromo-6-ethoxypyridine 21190-90-9P, 2-Acetyl-6-
ethoxypyridine 49669-13-8P, Ethanone, 1-(6-bromo-2-pyridinyl)-
137678-86-5P 195319-50-7P 195319-51-8P 195319-52-9P 195319-53-0P
195319-54-1P 195319-55-2P 195319-56-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation of 2-[[6-(1-alkoximinoalkyl)-2-pyridyl]oxy(methyl)]- α -
(alkoximino)phenylacetates and analogs as agrochem. **fungicides**
)

L51 ANSWER 25 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER:

1997:479392 CAPLUS

DOCUMENT NUMBER:

127:95100

TITLE:

Preparation of aromatic cyaniminoxime ether
pesticides and agrochemical **fungicides**

INVENTOR(S):

Bayer, Herbert; Mueller, Ruth; Sauter, Hubert;
Grammenos, Wassilio; Grote, Thomas; Kirstgen,
Reinhard; Mueller, Bernd; Oberdorf, Klaus; Roehl,
Franz; Ammermann, Eberhard; Harries, Volker;
Lorenz, Gisela; Strathmann, Siegfried

PATENT ASSIGNEE (S):

BASF A.-G., Germany

SOURCE:

Ger. Offen., 72 pp.

CODEN: GWXXBX

DOCUMENT TYPE:

Patent

LANGUAGE:

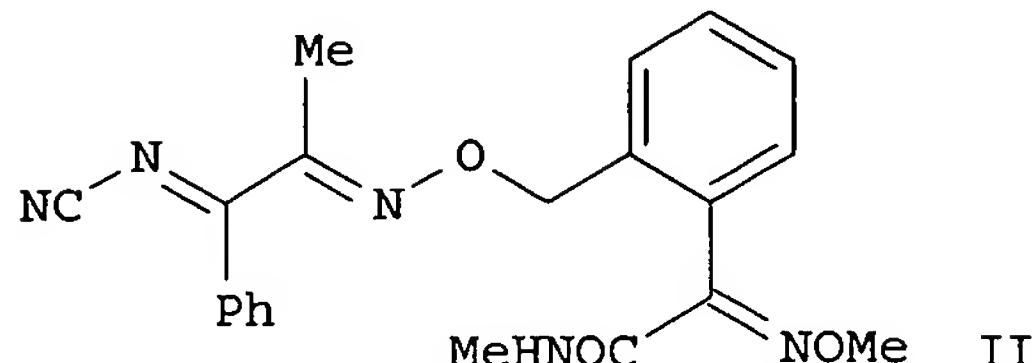
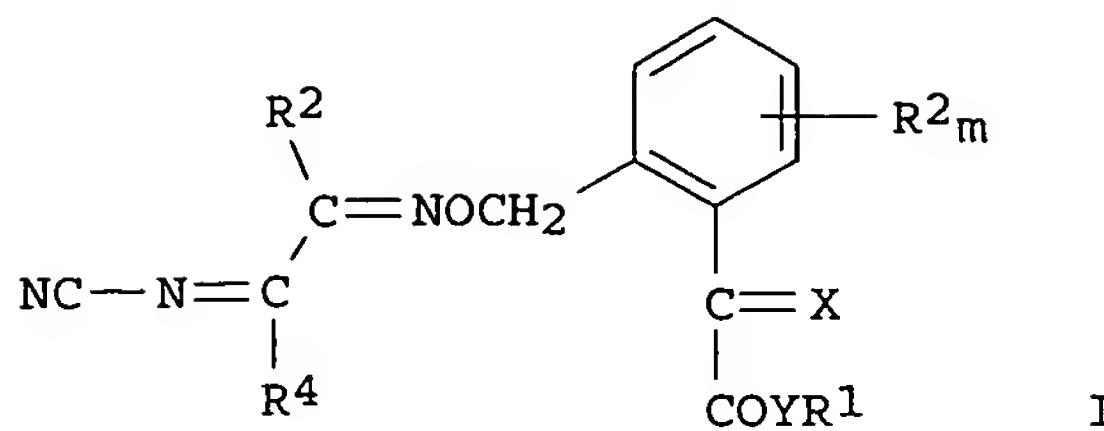
German

FAMILY ACC. NUM. COUNT:

1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------------------|----------|------------------|------------|
| DE 19548783 | A1 | 19970703 | DE 1995-19548783 | 19951227 |
| WO 9724319 | A1 | 19970710 | WO 1996-EP5641 | 19961216 |
| W: AU, BG, BR, CA, CN, CZ, GE, HU, IL, JP, KR, LV, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TR, UA, US, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| AU 9711959 | A1 | 19970728 | AU 1997-11959 | 19961216 |
| EP 873307 | A1 | 19981028 | EP 1996-943130 | 19961216 |
| EP 873307 | B1 | 20000531 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE | | | | |
| JP 2000503007 | T2 | 20000314 | JP 1997-523997 | 19961216 |
| AT 193523 | E | 20000615 | AT 1996-943130 | 19961216 |
| US 6063813 | A | 20000516 | US 1998-91850 | 19980625 |
| PRIORITY APPLN. INFO.: | | | DE 1995-19548783 | A 19951227 |
| | | | WO 1996-EP5641 | W 19961216 |
| OTHER SOURCE(S): | MARPAT 127:95100 | | | |
| GI | | | | |



AB The title compds. [I; R1 = H, alkyl; R2 = CN, NO₂, halogen, alkyl, CF₃, alkoxy; R3 = H, CN, alkyl, haloalkyl, alkoxy, cycloalkyl; R4 = H, (un)substituted alkyl, (un)substituted alkenyl, (un)substituted alkynyl, (un)substituted cycloalkyl, (un)substituted cycloalkenyl, (un)substituted heterocyclyl, (un)substituted aryl or heteroaryl; X = NOMe, CHOMe, CHMe; Y = O, NZ; Z = H, alkyl; m = 0-2], useful as agrochem. fungicides, insecticides, acaricides, and nematocides, are prepared. Thus, (E,E)-2-methoxyimino-2-[2-[(1-methyl-1-benzoyl)iminooxymethyl]phenyl]acetic acid methylamide was reacted with bis(trimethylsilyl)carbodiimide in the presence of TiCl₄, producing cyanimino derivative II. *Plasmopara viticola*-infected grape leaves, when treated with 63 ppm II, demonstrated 5% leaf surface fungal coverage, vs. 80% leaf coverage for untreated, infected plants.

IC ICM C07C261-04

ICS A01N037-42; A01N037-50; A01N043-40; A01N043-54; A01N043-08; A01N043-28; A01N043-26; A01N043-653; A01N043-36; A01N043-38

ICA C07C267-00; C07F007-10; C07D521-00

CC 25-20 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)
Section cross-reference(s): 5

IT **Fungicides**

(agrochem.; aromatic cyaniminooxime ethers)

IT 192184-75-1P

RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of aromatic cyaniminooxime ether pesticides and agrochem. fungicides)

IT 1000-70-0, Bis(trimethylsilyl)carbodiimide 17019-26-0 133409-72-0

RL: RCT (Reactant); RACT (Reactant or reagent)

(preparation of aromatic cyaniminooxime ether pesticides and agrochem. fungicides)

IT 192184-72-8P 192184-74-0P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of aromatic cyaniminooxime ether pesticides and agrochem. fungicides)

L51 ANSWER 26 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1997:374840 CAPLUS

DOCUMENT NUMBER: 126:343394

TITLE: Preparation of α -[(phenoxyethyl)phenyl]iminoace

tates and analogs as pesticides and agrochemical fungicides

INVENTOR(S) : Sauter, Hubert; Grammenos, Wassilios; Mueller, Bernd; Oberdorf, Klaus; Goetz, Norbert; Roehl, Franz; Ammermann, Eberhard; Lorenz, Gisela; Strathmann, Siegfried; et al.

PATENT ASSIGNEE(S) : BASF A.-G., Germany

SOURCE: PCT Int. Appl., 57 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

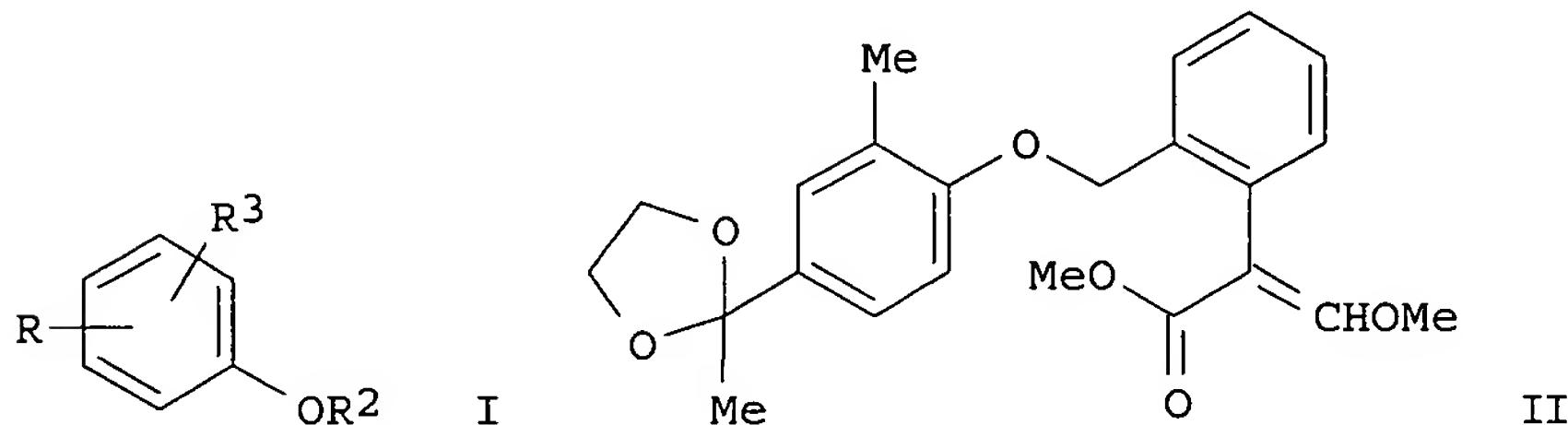
LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|------------------|------------|
| WO 9714693 | A1 | 19970424 | WO 1996-EP4263 | 19960930 |
| W: AU, BG, BR, CA, CN, CZ, GE, HU, IL, JP, KR, LV, MX, NO, NZ, PL, RO, SG, SI, SK, TR, UA, US, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| AU 9672829 | A1 | 19970507 | AU 1996-72829 | 19960930 |
| EP 873333 | A1 | 19981028 | EP 1996-934495 | 19960930 |
| EP 873333 | B1 | 20020213 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE | | | | |
| JP 11514357 | T2 | 19991207 | JP 1996-515458 | 19960930 |
| AT 213240 | E | 20020215 | AT 1996-934495 | 19960930 |
| ZA 9608786 | A | 19980420 | ZA 1996-8786 | 19961018 |
| US 6060493 | A | 20000509 | US 1998-51789 | 19980420 |
| PRIORITY APPLN. INFO.: | | | DE 1995-19538855 | A 19951019 |
| | | | WO 1996-EP4263 | W 19960930 |

OTHER SOURCE(S) : MARPAT 126:343394
GI



AB Title compds. [I; R = CR₄XY; R₁ = CH₂ZR₁; R₁ = C(CO₂Me):CHOMe, C(CO₂Me):NOMe, C(CONHMe):NOMe, N(OMe)CO₂Me; R₃ = 0-3 substituents selected from cyano, halo, (halo)alkyl, alkoxy; R₄ = H, (halo)alkyl, cycloalkyl, Ph; X,Y = alkoxy, alkylthio, (di)alkylamino; XY = atoms to complete a heterocyclic ring; Z = (un)substituted 1,2-phenylene] were prepared. Thus, 2,4-Me(MeCO)C₆H₃OH was O-benzoylated and the product converted in 3 steps to 3,4-Me(HO)C₆H₃R (R = 2-methyl-1,3-dioxolan-2-yl) which was O-alkylated by 2-(BrCH₂)C₆H₄C(CO₂Me):CHOMe to give title compound II. Data for biol. activity of I were given.

IC ICM C07D317-22
ICS C07C069-734; C07C251-48; C07D319-06; C07D263-06; C07D265-06; C07D277-04; C07D279-06; C07D339-06; C07D339-08; C07C303-20;

A01N043-28; A01N037-36; A01N037-50; A01N043-32; A01N043-76;
 A01N043-86; A01N043-20
 CC 25-19 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)
 Section cross-reference(s): 5
 ST phenoxyethylphenyliminoacetate prepn pesticide agrochem **fungicide**
 IT **Fungicides**
 (agrochem.; preparation of α -[(phenoxyethyl)phenyl]iminoacetates and
 analogs as pesticides and agrochem. **fungicides**)
 IT Pesticides
 (preparation of α -[(phenoxyethyl)phenyl]iminoacetates and analogs as
 pesticides and agrochem. **fungicides**)
 IT 189944-95-4P 189944-96-5P 189944-97-6P 189944-98-7P 189944-99-8P
 189945-00-4P 189945-01-5P 189945-02-6P 189945-03-7P 189945-04-8P
 189945-05-9P 189945-06-0P 189945-07-1P 189945-08-2P 189945-09-3P
 189945-14-0P
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except
 adverse); BSU (Biological study, unclassified); SPN (Synthetic
 preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of α -[(phenoxyethyl)phenyl]iminoacetates and analogs as
 pesticides and agrochem. **fungicides**)
 IT 98-88-4, **Benzoyl** chloride 876-02-8, 1-(4-Hydroxy-3-
 methylphenyl)ethanone 107048-59-9 159505-30-3
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation of α -[(phenoxyethyl)phenyl]iminoacetates and analogs as
 pesticides and agrochem. **fungicides**)
 IT 189945-10-6P 189945-11-7P 189945-12-8P 189945-13-9P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (preparation of α -[(phenoxyethyl)phenyl]iminoacetates and analogs as
 pesticides and agrochem. **fungicides**)

L51 ANSWER 27 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1997:356423 CAPLUS
 DOCUMENT NUMBER: 126:330498
 TITLE: Oxyamino oxime ethers as pesticides
 INVENTOR(S): Bayer, Herbert; Sauter, Hubert; Oberdorf, Klaus;
 Grammenos, Wassilios; Grote, Thomas; Kirstgen,
 Reinhard; Mueller, Bernd; Mueller, Ruth; Roehl, Franz;
 Ammermann, Eberhard; Harries, Volker; Lorenz,
 Gisela; Strathmann, Siegfried; Goetz,
 Norbert
 PATENT ASSIGNEE(S): BASF A.-G., Germany
 SOURCE: Ger. Offen., 132 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|------------------|----------|
| DE 19537750 | A1 | 19970417 | DE 1995-19537750 | 19951010 |
| CA 2231661 | AA | 19970417 | CA 1996-2231661 | 19960930 |
| WO 9713747 | A1 | 19970417 | WO 1996-EP4255 | 19960930 |
| W: AU, BG, BR, CA, CN, CZ, GE, HU, IL, JP, KR, LV, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TR, UA, US, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| AU 9672163 | A1 | 19970430 | AU 1996-72163 | 19960930 |
| EP 854861 | A1 | 19980729 | EP 1996-933424 | 19960930 |

| | | | | |
|---|----|----------|------------------|------------|
| EP 854861 | B1 | 20010725 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, FI | | | | |
| CN 1199393 | A | 19981118 | CN 1996-197578 | 19960930 |
| BR 9610997 | A | 19990713 | BR 1996-10997 | 19960930 |
| JP 11513397 | T2 | 19991116 | JP 1996-514680 | 19960930 |
| AT 203514 | E | 20010815 | AT 1996-933424 | 19960930 |
| ES 2160839 | T3 | 20011116 | ES 1996-933424 | 19960930 |
| PT 854861 | T | 20020130 | PT 1996-933424 | 19960930 |
| ZA 9608538 | A | 19980414 | ZA 1996-8538 | 19961010 |
| GR 3036534 | T3 | 20011231 | GR 2001-401394 | 20010905 |
| PRIORITY APPLN. INFO.: | | | DE 1995-19537750 | A 19951010 |
| | | | WO 1996-EP4255 | W 19960930 |

OTHER SOURCE(S): MARPAT 126:330498

AB 2-R1YCOC(:X)C6H4CH2ON:CR2NR3OR4 [X = NOME, CHOMe, CHMe; Y = O, NH, alkylimino; R1 = H, alkyl; R2 = H, alkyl, haloalkyl, cycloalkyl; R3 = H, (un)substituted alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, heterocyclyl, aryl, heteroaryl; and the **benzene** ring may be further substituted] were prepared for use as fungicides, insecticides, acaricides, and nematocides (no data). Thus, MeONMeAc was converted to the thioamide and treated with (E)-2-H2NOCH2C6H4C(:NOME)CONHMe to give (E,E)-2-MeONMeCMe:NOCH2C6H4C(:NOME)CONHMe.

IC ICM C07D227-02

ICS C07C251-60; C07C251-50; C07C255-17; C07C327-38; C07D247-00; C07D315-00; C07D255-00; C07D257-00; C07D269-00; A01N043-00; A01N037-52

ICA C07C249-04; C07C255-24; C07C323-23; C07C317-28; C07D521-00; C07D283-00; C07D333-10

ICI C07M009-00

CC 25-19 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)

Section cross-reference(s): 5

ST aminoethylideneaminoxyethylphenylacetate prepn insecticide acaricide **fungicide** nematocide

IT Acaricides

Fungicides

Insecticides

Nematocides

(preparation of aminoethylideneaminoxyethylphenylacetate derivs. as pesticides)

L51 ANSWER 28 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1997:281148 CAPLUS

DOCUMENT NUMBER: 126:264106

TITLE: Preparation of heterocyclsulfonylalkyl **benzoates** and analogs as agrochemical **fungicides**

INVENTOR(S): Wagner, Oliver; Wetterich, Frank; Eicken, Karl; Rack, Michael; Hamprecht, Gerhard; Lamm, Gunther; Speakman, John-Bryan; Lorenz, Gisela; **Ammermann, Eberhard; Strathmann, Siegfried**

PATENT ASSIGNEE(S): BASF A.-G., Germany; Wagner, Oliver; Wetterich, Frank; Eicken, Karl; Rack, Michael; Hamprecht, Gerhard; Lamm, Gunther; Speakman, John-Bryan; Lorenz, Gisela; et al.

SOURCE: PCT Int. Appl., 123 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|------------------|------------|
| WO 9708147 | A1 | 19970306 | WO 1996-EP3680 | 19960821 |
| W: AU, BR, CA, CN, HU, IL, JP, KR, MX, NZ, US RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| DE 19531148 | A1 | 19970227 | DE 1995-19531148 | 19950824 |
| DE 19548781 | A1 | 19970703 | DE 1995-19548781 | 19951227 |
| AU 9669265 | A1 | 19970319 | AU 1996-69265 | 19960821 |
| EP 850223 | A1 | 19980701 | EP 1996-930067 | 19960821 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, FI | | | | |
| JP 2002515023 | T2 | 20020521 | JP 1997-509818 | 19960821 |
| US 6069144 | A | 20000530 | US 1998-11610 | 19980212 |
| PRIORITY APPLN. INFO.: | | | DE 1995-19531148 | A 19950824 |
| | | | DE 1995-19548781 | A 19951227 |
| | | | WO 1996-EP3680 | W 19960821 |

OTHER SOURCE(S) : MARPAT 126:264106

AB RSO_mZ1Z2COR1 [I; R = (un)substituted pyridyl, -pyrimidyl, -pyrazinyl, etc.; R₁ = (un)substituted (hetero)aryl, -cycloalk(en)yl, -aralkyl; Z₁ = (un)substituted (CH₂)₂₋₃; Z₂ = O, S, (alkyl)imino; m = 0-2] were prepared. Thus, 2,5-dichloro-3-trifluoromethylpyridine was thioetherified by HSCH₂CH₂OH and the product esterified by 3-ClC₆H₄COCl to give, after oxidation, RSO_mCH₂CH₂O₂C₆H₄Cl-3 (R = 5-chloro-3-trifluoromethyl-2-pyridyl) (II; m = 1 and 2). Data for biol. activity of I were given.

IC . ICM C07D213-71

ICS A01N043-40; C07D277-76; C07D513-04; C07D239-38; C07D215-54

CC 28-16 (Heterocyclic Compounds (More Than One Hetero Atom))

Section cross-reference(s) : 5

ST heterocyclsulfonylalkyl **benzoate** prepn agrochem**fungicide**IT **Fungicides**(agrochem.; heterocyclsulfonylalkyl **benzoates** and analogs)

| | | | | |
|-----------------|--------------|--------------|--------------|--------------|
| IT 188590-65-0P | 188590-66-1P | 188590-67-2P | 188590-68-3P | 188590-69-4P |
| 188590-70-7P | 188590-71-8P | 188590-72-9P | 188590-73-0P | 188590-74-1P |
| 188590-75-2P | 188590-76-3P | 188590-77-4P | 188590-78-5P | 188590-79-6P |
| 188590-80-9P | 188590-81-0P | 188590-82-1P | 188590-83-2P | 188590-84-3P |
| 188590-85-4P | 188590-86-5P | 188590-87-6P | 188590-88-7P | 188590-89-8P |
| 188590-90-1P | 188590-91-2P | 188590-92-3P | 188590-93-4P | 188590-94-5P |
| 188590-95-6P | 188590-96-7P | 188590-97-8P | 188590-98-9P | 188591-00-6P |
| 188591-02-8P | 188591-04-0P | 188591-06-2P | 188591-07-3P | 188591-08-4P |
| 188591-09-5P | 188591-10-8P | 188591-11-9P | 188591-12-0P | 188591-13-1P |
| 188591-14-2P | 188591-15-3P | 188591-16-4P | 188591-17-5P | 188591-18-6P |
| 188591-19-7P | 188591-20-0P | 188591-28-8P | 188591-39-1P | 188591-42-6P |
| 188591-43-7P | 188732-37-8P | 188732-38-9P | 188732-39-0P | 188732-40-3P |
| 188732-41-4P | 188732-42-5P | 188732-43-6P | 188732-44-7P | 188732-45-8P |
| 188732-46-9P | 188732-47-0P | 188732-48-1P | 188732-49-2P | 188732-50-5P |
| 188732-51-6P | 188732-52-7P | 188732-53-8P | 188732-54-9P | 188732-55-0P |
| 188732-56-1P | 188732-57-2P | 188732-58-3P | 188732-59-4P | 188732-60-7P |
| 188732-61-8P | 188732-62-9P | 188732-63-0P | 188732-64-1P | 188732-65-2P |
| 188732-66-3P | 188732-67-4P | 188732-68-5P | 188732-69-6P | 188732-70-9P |
| 188732-71-0P | 188732-72-1P | 188732-75-4P | 188732-76-5P | 188732-77-6P |
| 188732-78-7P | 188732-79-8P | 188732-80-1P | 188732-81-2P | 188732-82-3P |
| 188732-83-4P | 188732-84-5P | 188732-85-6P | 188732-86-7P | 188732-87-8P |
| 188732-88-9P | 188732-89-0P | 188732-90-3P | 188732-91-4P | 188732-92-5P |
| 188732-93-6P | 188732-94-7P | 188732-95-8P | 188732-96-9P | 188732-97-0P |
| 188732-98-1P | 188732-99-2P | 188733-00-8P | 188733-01-9P | 188733-02-0P |
| 188733-03-1P | 188733-04-2P | 188733-05-3P | 188733-06-4P | 188733-07-5P |
| 188733-08-6P | 188733-09-7P | 188733-10-0P | 188733-11-1P | 188733-12-2P |
| 188733-13-3P | 188733-14-4P | 188733-15-5P | 188733-16-6P | 188733-17-7P |
| 188733-18-8P | 188733-19-9P | 188733-20-2P | 188733-21-3P | 188733-22-4P |

| | | | | |
|--------------|--------------|--------------|--------------|--------------|
| 188733-23-5P | 188733-24-6P | 188733-25-7P | 188733-26-8P | 188733-27-9P |
| 188733-28-0P | 188733-29-1P | 188733-30-4P | 188733-31-5P | 188733-32-6P |
| 188733-33-7P | 188733-34-8P | 188733-35-9P | 188733-36-0P | 188733-37-1P |
| 188733-38-2P | 188733-39-3P | 188733-40-6P | 188733-41-7P | 188733-42-8P |
| 188733-43-9P | 188733-44-0P | 188733-45-1P | 188733-46-2P | 188733-47-3P |
| 188733-48-4P | 188733-49-5P | 188733-50-8P | 188733-51-9P | 188733-52-0P |
| 188733-53-1P | 188733-54-2P | 188733-55-3P | 188733-56-4P | 188733-57-5P |
| 188733-58-6P | 188733-59-7P | 188733-60-0P | 188733-61-1P | 188733-62-2P |
| 188733-63-3P | 188733-64-4P | 188733-65-5P | 188733-66-6P | 188733-67-7P |
| 188733-68-8P | 188733-69-9P | 188733-70-2P | 188733-71-3P | 188733-72-4P |
| 188733-73-5P | 188733-74-6P | 188733-75-7P | 188733-76-8P | 188733-77-9P |
| 188733-78-0P | 188733-79-1P | 188733-80-4P | 188733-81-5P | 188733-82-6P |
| 188733-83-7P | 188733-84-8P | 188733-85-9P | 188733-86-0P | 188733-87-1P |
| 188733-88-2P | 188733-89-3P | 188733-90-6P | 188733-91-7P | 188733-92-8P |
| 188733-93-9P | 188733-94-0P | 188733-95-1P | 188733-96-2P | 188733-97-3P |
| 188733-98-4P | 188733-99-5P | 188734-00-1P | 188734-01-2P | 188734-02-3P |
| 188734-03-4P | 188734-04-5P | 188734-05-6P | 188734-06-7P | 188734-07-8P |
| 188734-08-9P | 188734-09-0P | 188734-10-3P | 188734-11-4P | 188734-12-5P |
| 188734-13-6P | | | | |

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of heterocyclsulfonylalkyl **benzoates** and analogs as agrochem. **fungicides**)

IT 618-46-2, 3-Chlorobenzoyl chloride 70158-59-7
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation of heterocyclsulfonylalkyl **benzoates** and analogs as agrochem. **fungicides**)

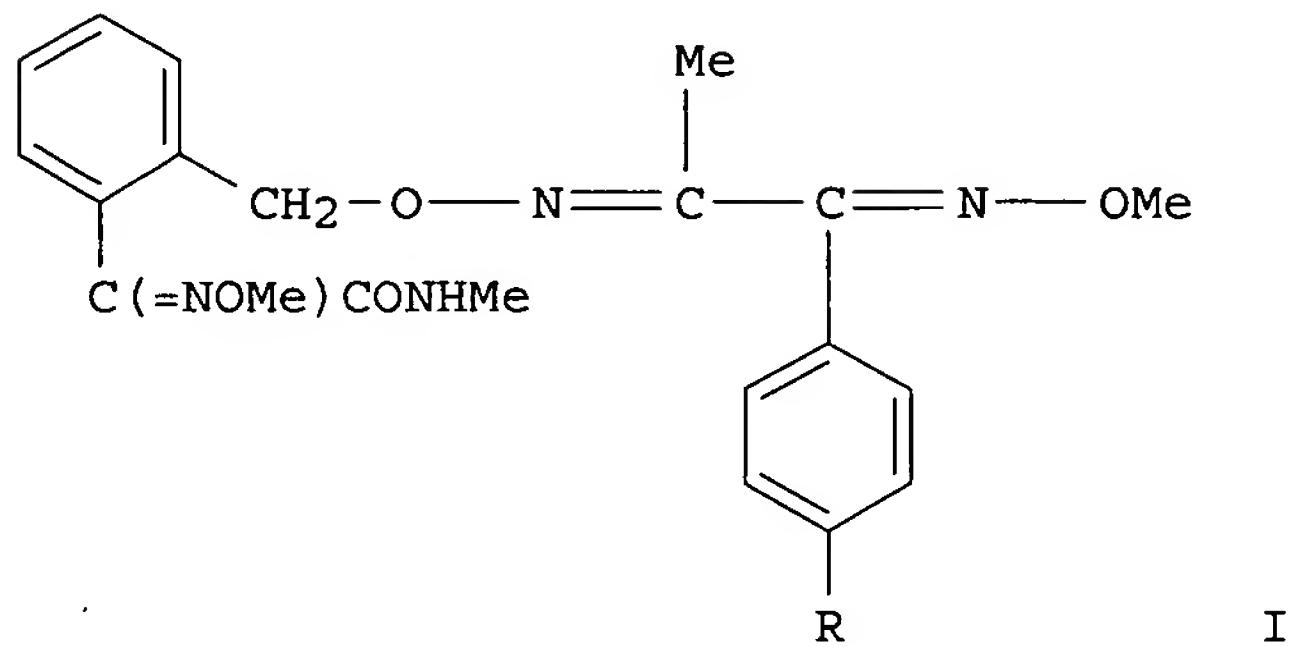
IT 173729-51-6P 188591-47-1P 188591-48-2P 188591-49-3P 188591-50-6P
 188591-51-7P 188591-52-8P 188591-53-9P 188591-54-0P 188591-55-1P
 188591-56-2P 188591-57-3P 188591-60-8P 188591-62-0P 188591-64-2P
 188591-66-4P 188591-68-6P 188732-73-2P 188732-74-3P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of heterocyclsulfonylalkyl **benzoates** and analogs as agrochem. **fungicides**)

L51 ANSWER 29 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1997:226951 CAPLUS
 DOCUMENT NUMBER: 126:208523
 TITLE: Synergistic **fungicidal** mixtures
 INVENTOR(S): Schwalge, Barbara; Mueller, Ruth; Bayer, Herbert;
 Sauter, Hubert; Saur, Reinhold; Schelberger,
 Klaus; Ammermann, Eberhard; Lorenz,
 Gisela; Strathmann, Siegfried
 PATENT ASSIGNEE(S): BASF A.-G., Germany
 SOURCE: PCT Int. Appl., 27 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|----------|
| ----- | ---- | ----- | ----- | ----- |
| WO 9706678 | A1 | 19970227 | WO 1996-EP3358 | 19960731 |
| W: AU, BG, BR, CA, CN, CZ, GE, HU, IL, JP, KR, LV, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TR, UA, US, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |

| | | | | |
|---|----|-------------------|----------------|----------|
| AU 9667396 | A1 | 19970312 | AU 1996-67396 | 19960731 |
| EP 844818 | A1 | 19980603 | EP 1996-927637 | 19960731 |
| EP 844818 | B1 | 19990922 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, FI | | | | |
| BR 9609930 | A | 19990608 | BR 1996-9930 | 19960731 |
| JP 11511143 | T2 | 19990928 | JP 1996-508873 | 19960731 |
| AT 184751 | E | 19991015 | AT 1996-927637 | 19960731 |
| ZA 9606956 | A | 19980320 | ZA 1996-6956 | 19960816 |
| US 5994382 | A | 19991130 | US 1998-983253 | 19980120 |
| PRIORITY APPLN. INFO.: | | | | |
| DE 1995-19530172 A 19950817 | | | | |
| WO 1996-EP3358 W 19960731 | | | | |
| OTHER SOURCE(S): | | MARPAT 126:208523 | | |
| GI | | | | |



AB A fungicidal mixture contains synergistically effective amts. of an oxime ether carboxylic acid amide I (R = H or halo) and an **azole** derivative selected from bromuconazole, cyproconazole, difenoconazole, diniconazole, epoxiconazole, fenbuconazole, fluquinconazole, flusilazole, hexaconazole, metconazole, prochloraz, propiconazole, tebuconazole, tetaconaz, myclobutanil.

IC ICM A01N037-50

ICI A01N037-50, A01N055-00, A01N047-38, A01N043-653, A01N043-50

CC 5-2 (Agrochemical Bioregulators)

ST synergism **fungicide** mixt oxime ether carboxamide

IT **Fungicides**
(synergistic; oxime ether carboxylic acid amide-containing mixts.)

IT 188052-52-0 188052-53-1 188052-54-2 188052-55-3 188052-56-4
 188052-57-5 188052-58-6 188052-59-7 188052-60-0 188052-61-1
 188052-62-2 188052-63-3 188052-64-4 188052-65-5 188052-66-6
 188052-67-7 188052-68-8 188052-69-9

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic **fungicide**)

IT 60207-90-1D, Propiconazole, mixts. with oxime ether carboxylic acid amides
 67747-09-5D, Prochloraz, mixts. with oxime ether carboxylic acid amides
 68694-11-1D, Triflumizole, mixts. with oxime ether carboxylic acid amides
 76674-21-0D, Flutriafol, mixts. with oxime ether carboxylic acid amides
 79983-71-4D, Hexaconazole, mixts. with oxime ether carboxylic acid amides
 83657-24-3D, Diniconazole, mixts. with oxime ether carboxylic acid amides
 85509-19-9D, Flusilazole, mixts. with oxime ether carboxylic acid amides
 88671-89-0D, Myclobutanil., mixts. with oxime ether carboxylic acid amides
 94361-06-5D, Cyproconazole, mixts. with oxime ether carboxylic acid amides
 107534-96-3D, Tebuconazole, mixts. with oxime ether carboxylic acid amides
 112281-77-3D, Tetaconazole, mixts. with oxime ether carboxylic acid

amides 114369-43-6D, Fenbuconazole, mixts. with oxime ether carboxylic acid amides 116255-48-2D, Bromuconazole, mixts. with oxime ether carboxylic acid amides 119446-68-3D, Difenoconazole, mixts. with oxime ether carboxylic acid amides 125116-23-6D, Metconazole, mixts. with oxime ether carboxylic acid amides 133855-98-8D, Epoxiconazole, mixts. with oxime ether carboxylic acid amides 136426-54-5D, Fluquinconazole, mixts. with oxime ether carboxylic acid amides

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic fungicides)

L51 ANSWER 30 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1997:145140 CAPLUS

DOCUMENT NUMBER: 126:144279

TITLE: Preparation of **benzyloxyiminomethyltriazoles**
as agrochemical and industrial pesticides and
fungicides.

INVENTOR(S): Mueller, Bernd; Sauter, Hubert; Roehl, Franz; Lorenz,
Gisela; Ammermann, Eberhard;
Strathmann, Siegfried

PATENT ASSIGNEE(S): BASF A.-G., Germany

SOURCE: Ger. Offen., 29 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

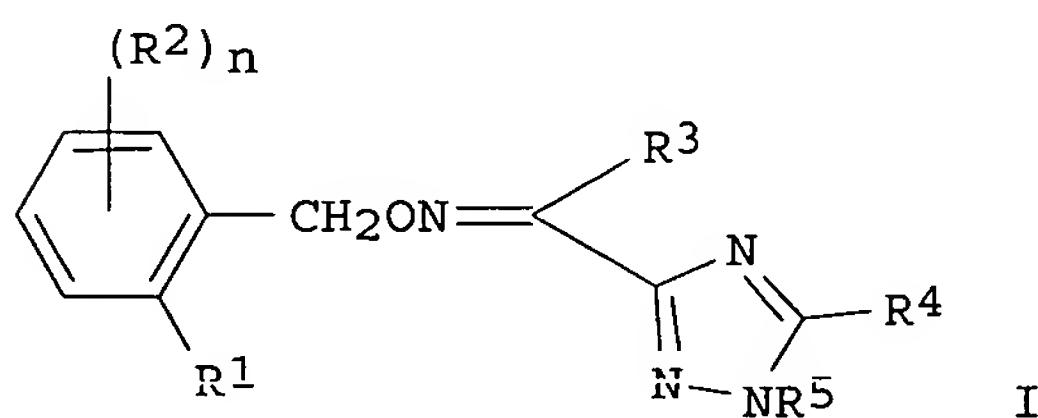
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|------------------|------------|
| DE 19523288 | A1 | 19970102 | DE 1995-19523288 | 19950627 |
| WO 9701545 | A1 | 19970116 | WO 1996-EP2665 | 19960620 |
| W: AU, BG, BR, CA, CN, CZ, HU, IL, JP, KR, MX, NO, NZ, PL, SG, SK, TR, UA, US, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| AU 9662251 | A1 | 19970130 | AU 1996-62251 | 19960620 |
| EP 835250 | A1 | 19980415 | EP 1996-920833 | 19960620 |
| EP 835250 | B1 | 20020522 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, SE, IE | | | | |
| JP 11507328 | T2 | 19990629 | JP 1996-529763 | 19960620 |
| AT 217868 | E | 20020615 | AT 1996-920833 | 19960620 |
| ZA 9605409 | A | 19971225 | ZA 1996-5409 | 19960626 |
| US 5905087 | A | 19990518 | US 1997-973728 | 19971215 |
| PRIORITY APPLN. INFO.: | | | DE 1995-19523288 | A 19950627 |
| | | | WO 1996-EP2665 | W 19960620 |

OTHER SOURCE(S): MARPAT 126:144279

GI



AB Title compds. [I; R1 = C(CO2Ra):CHRb, C(CO2Ra):CHORb, C(CO2Ra):NORb,

C(CONRaRc):NORb; Ra, Rb = alkyl; Rc = H, alkyl; n = 0-4; R2 = NO₂, cyano, halo, (substituted) alkyl, alkenyl, alkynyl, alkoxy, alkenyloxy, alkynyloxy; pairs of adjoining R₂ = atoms to form rings; R₃ = H, cyano, halo, alkyl, haloalkyl, alkenyl, alkynyl, alkoxy, haloalkoxy, alkenyloxy, haloalkenyloxy, alkynyloxy, haloalkynyloxy, alkylthio, haloalkylthio, cycloalkyl; R₄ = H, cyano, halo, (substituted) alkyl, alkoxy, alkylthio, alkenyl, alkenyloxy, alkenylthio, alkynyl, alkynyloxy, alkynylthio, (unsatd.) ring; R₅ = (substituted) alkyl, alkenyl, alkynyl, (unsatd.) ring], were prepared as pesticides and materials preservatives (no data). Thus, α -keto-2-bromomethylphenylacetic acid Me ester trans-O-methyloxime and 1-phenyl-3-acetyltriazole oxime (preparation given) were stirred with K₂CO₃ in DMF for 3 days to give α -keto-2-[(1-phenyltriazol-3-yl)acetiminoxymethyl]phenylacetic acid Me ester trans-O-methyloxime.

IC ICM C07D249-08
 ICS C07D249-10; C07D521-00; A01N043-653; A61K031-41
 ICI C07M009-00
 CC 28-10 (Heterocyclic Compounds (More Than One Hetero Atom))
 Section cross-reference(s): 5
 ST benzyloxyiminomethyltriazole prepn pesticide fungicide
 ; triazole benzyloxyiminomethyl prepn pesticide
 fungicide; materials preservative benzyloxyiminomethyltriazole
 IT Fungicides
 (agrochem.; preparation of benzyloxyiminomethyltriazoles as
 pesticides and fungicides)
 IT Preservatives
 (materials preservatives; preparation of benzyloxyiminomethyltriazoles*
 ** as pesticides and ***fungicides)
 IT Pesticides
 (preparation of benzyloxyiminomethyltriazoles as pesticides and
 fungicides)
 IT Materials
 (preservatives; preparation of benzyloxyiminomethyltriazoles as
 pesticides and fungicides)
 IT 186690-10-8P 186690-11-9P 186690-12-0P 186690-13-1P 186690-14-2P
 186690-15-3P
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except
 adverse); BSU (Biological study, unclassified); BUU (Biological use,
 unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP
 (Preparation); USES (Uses)
 (preparation of benzyloxyiminomethyltriazoles as pesticides and
 fungicides)
 IT 74-89-5, Methylamine, reactions 122-51-0, Triethyl orthoformate
 5470-11-1, Hydroxylamine hydrochloride 67266-48-2 107048-59-9
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation of benzyloxyiminomethyltriazoles as pesticides and
 fungicides)
 IT 61698-27-9P, 3-Acetyl-1-phenyl-1,2,4-triazole 99072-75-0P 186690-16-4P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (preparation of benzyloxyiminomethyltriazoles as pesticides and
 fungicides)

L51 ANSWER 31 OF 31 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1997:69792 CAPLUS

DOCUMENT NUMBER: 126:89378

TITLE: Preparation of 2-[2-(azolyloxymethyl)
]phenyl]crotonates as pesticides and

fungicides.

INVENTOR(S): Grammenos, Wassilios; Mueller, Bernd; Sauter, Hubert; Oberdorf, Klaus; Koenig, Hartmann; Goetz, Norbert; Rack, Michael; Lorenz, Gisela; Ammermann, Eberhard; Strathmann, Siegfried

PATENT ASSIGNEE(S): BASF A.-G., Germany

SOURCE: PCT Int. Appl., 32 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

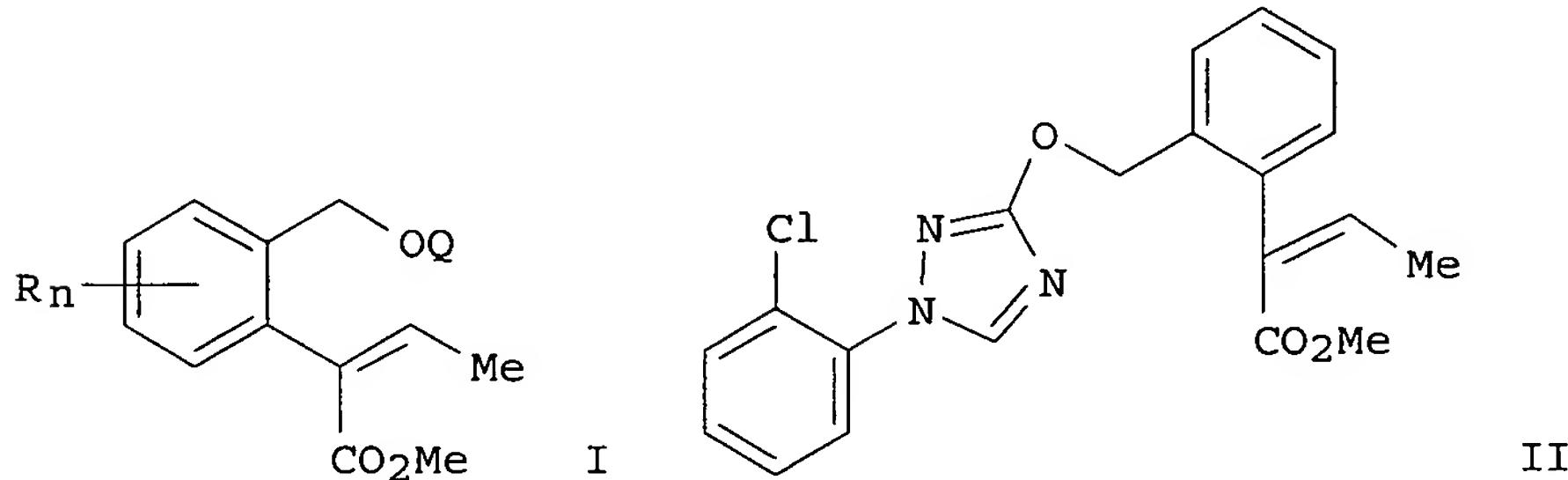
LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|------------------|------------|
| WO 9637480 | A1 | 19961128 | WO 1996-EP2043 | 19960513 |
| W: AU, BG, BR, CA, CN, CZ, HU, JP, KR, MX, NO, NZ, PL, SG, SK, TR, UA, US, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| CA 2218900 | AA | 19961128 | CA 1996-2218900 | 19960513 |
| AU 9658957 | A1 | 19961211 | AU 1996-58957 | 19960513 |
| AU 700515 | B2 | 19990107 | | |
| EP 812317 | A1 | 19971217 | EP 1996-916056 | 19960513 |
| EP 812317 | B1 | 19990908 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, FI | | | | |
| CN 1185149 | A | 19980617 | CN 1996-194114 | 19960513 |
| JP 11506434 | T2 | 19990608 | JP 1996-535327 | 19960513 |
| BR 9608780 | A | 19990706 | BR 1996-8780 | 19960513 |
| AT 184278 | E | 19990915 | AT 1996-916056 | 19960513 |
| ZA 9604116 | A | 19971124 | ZA 1996-4116 | 19960523 |
| US 5998446 | A | 19991207 | US 1997-952987 | 19971120 |
| PRIORITY APPLN. INFO.: | | | DE 1995-19519040 | A 19950524 |
| | | | WO 1996-EP2043 | W 19960513 |

OTHER SOURCE(S): MARPAT 126:89378
GI



AB Title compds. [I; R = cyano, halo, alkyl, alkoxy; n = 0-2; Q = 5-membered heteroaryl containing 3 N atoms or 2 N atoms and 1 O or S atom, bearing a (substituted) 6-membered aryl. or heteroaryl], were prepared. Thus, 2-chlorophenylhydrazine hydrochloride was stirred overnight with KOCN in H2O to give an intermediate which was heated with $\text{HC}(\text{OEt})_3$ to give 1-(2-chlorophenyl)-3-hydroxy-1,2,4-triazole. This was stirred with KI and Me α -(2-bromomethylphenyl)- β -methylacrylate in DMF at 45° for 5 h to give title compound (II). Several I at 16 ppm on grapes reduced incidence of *Plasmopara viticola* to <10%, vs. 70% for

untreated controls.

IC ICM C07D249-12
ICS C07D271-07; C07D271-113; C07D285-13; C07D401-04; C07D403-04;
C07D413-04; C07D417-04; A01N043-653; A01N043-82

CC 28-10 (Heterocyclic Compounds (More Than One Hetero Atom))
Section cross-reference(s): 5

ST azolyloxymethylphenylcrotonate prepn pesticide fungicide

IT Fungicides
(agrochem.; preparation of 2-[2-(azolyloxymethyl)phenyl]crotonates as pesticides and fungicides)

IT Pesticides
(preparation of 2-[2-(azolyloxymethyl)phenyl]crotonates as pesticides and fungicides)

IT 185557-34-0P 185557-35-1P 185557-36-2P 185557-37-3P 185557-38-4P
185557-39-5P 185557-40-8P 185557-41-9P 185557-42-0P 185557-43-1P
185557-44-2P 185557-45-3P 185557-46-4P 185557-48-6P 185557-50-0P
185557-52-2P 185557-54-4P 185557-55-5P 185557-56-6P 185557-57-7P
185557-58-8P 185557-59-9P 185557-60-2P 185557-61-3P 185557-62-4P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 2-[2-(azolyloxymethyl)phenyl]crotonates as pesticides and fungicides)

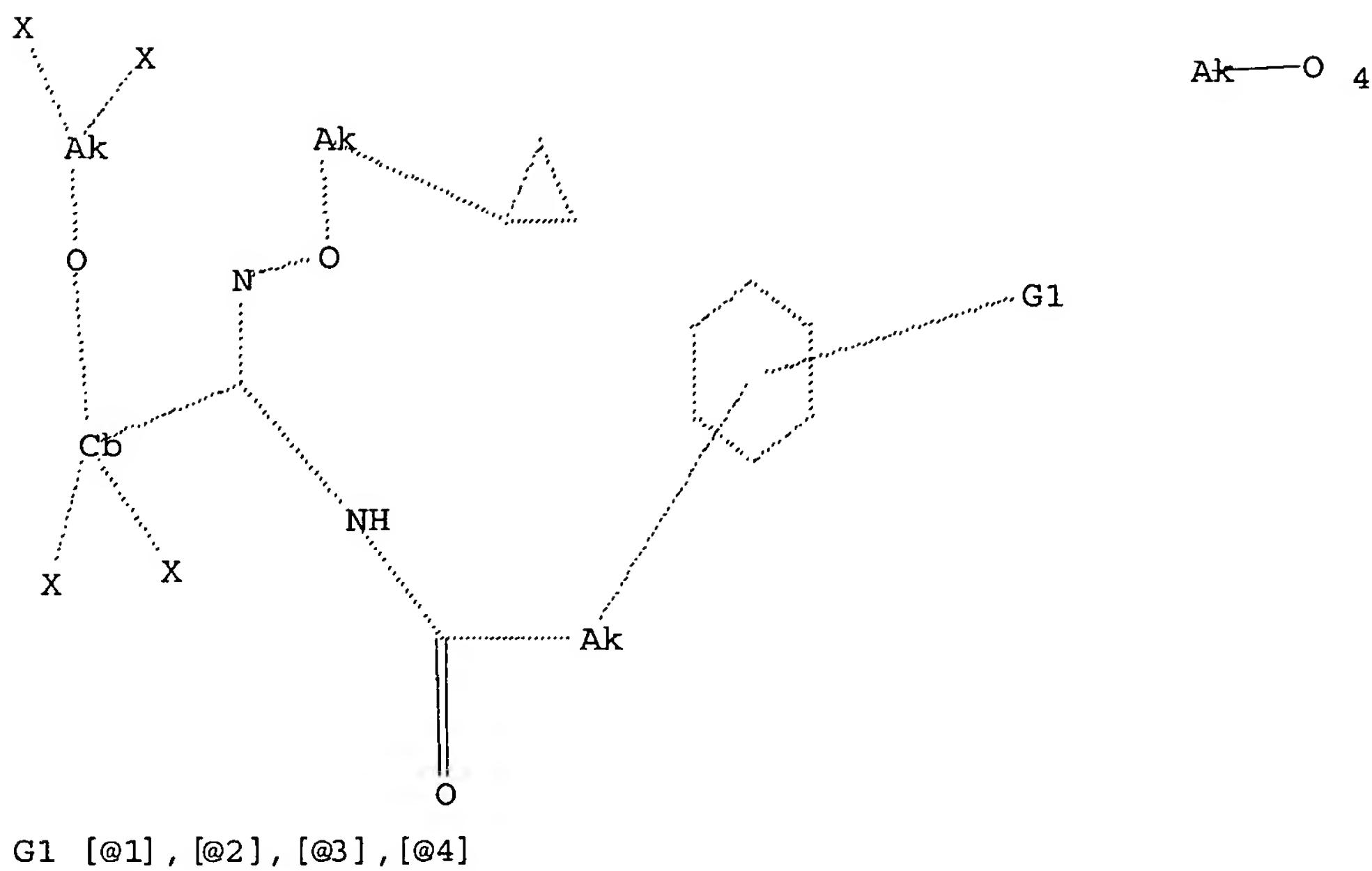
IT 122-51-0, Triethyl orthoformate 590-28-3, Potassium cyanate
10449-07-7, 2-Chlorophenylhydrazine 144260-26-4 185557-63-5,
5-Hydroxy-3-(4-fluorophenyl)-1,2,4-oxadiazole
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of 2-[2-(azolyloxymethyl)phenyl]crotonates as pesticides and fungicides)

IT 14580-28-0P 37176-51-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of 2-[2-(azolyloxymethyl)phenyl]crotonates as pesticides and fungicides)

=> d que 136

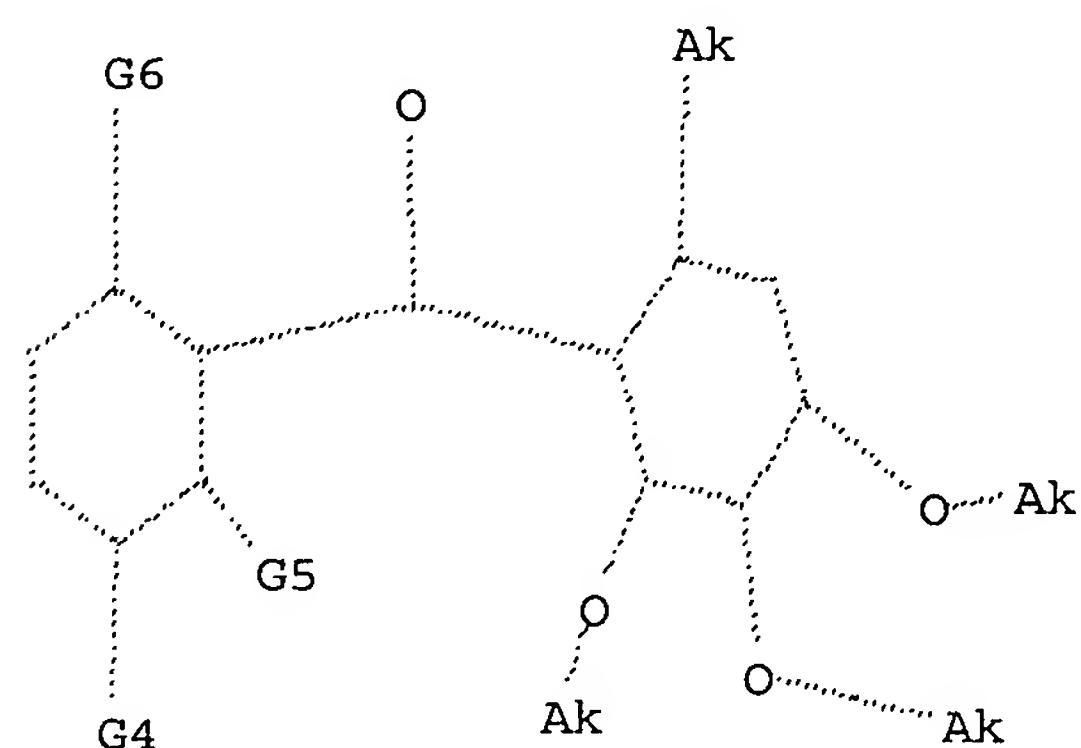
L1 STR

H 1 X 2 Ak 3



Structure attributes must be viewed using STN Express query preparation.

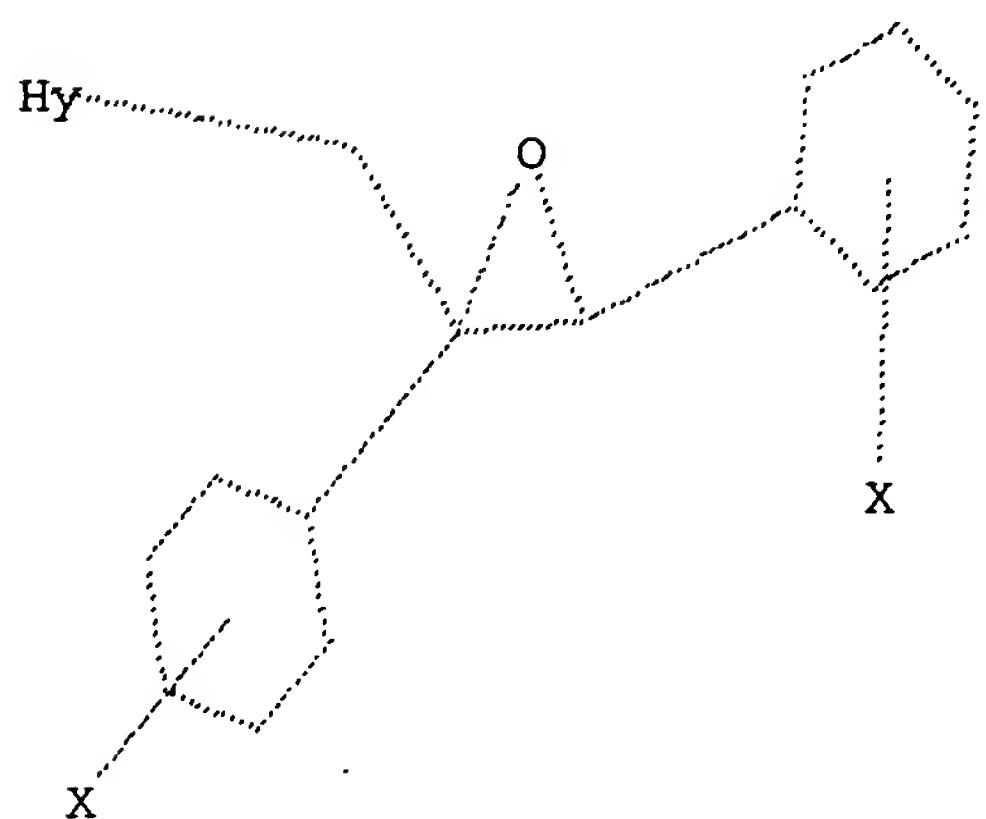
L3 36 SEA FILE=REGISTRY SSS FUL L1
 L4 17 SEA FILE=CAPLUS ABB=ON PLU=ON L3
 L5 STR



G1
 G2
 G3
 G4 H, X, Ak
 G5 X, Ak
 G6 X, Ak, O

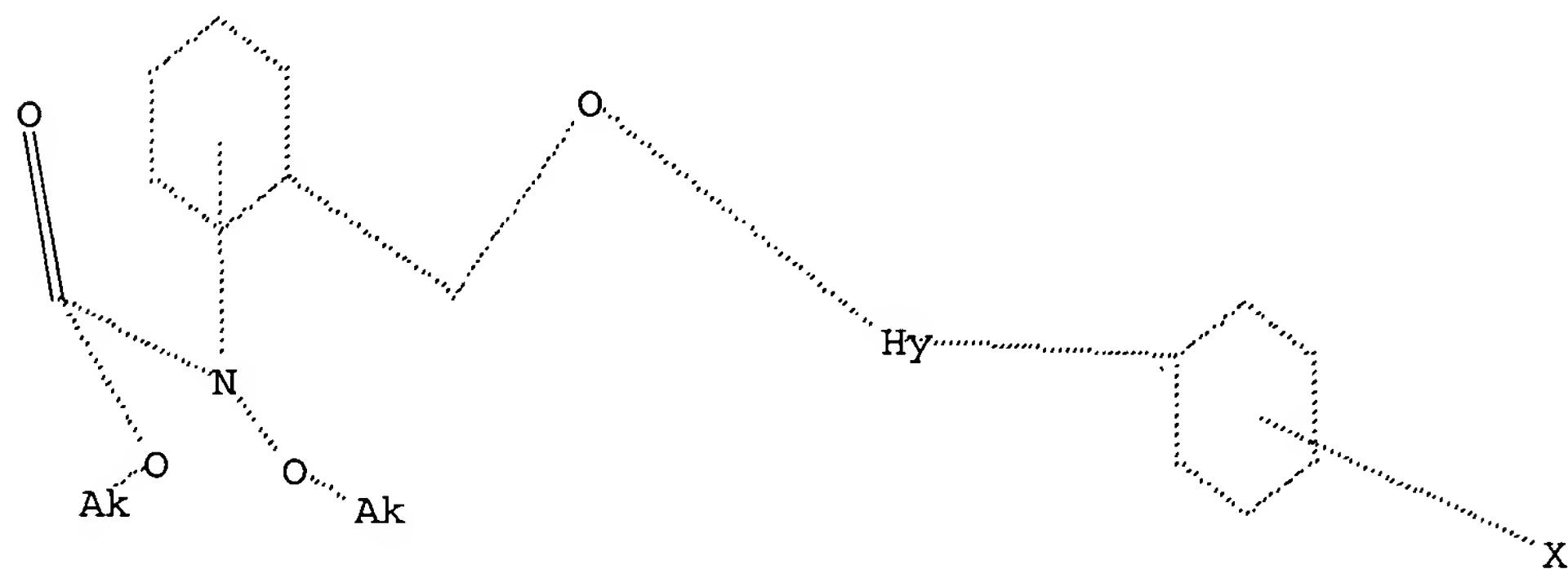
Structure attributes must be viewed using STN Express query preparation.
 L7 298 SEA FILE=REGISTRY SSS FUL L5

L8 63 SEA FILE=CAPLUS ABB=ON PLU=ON L7
 L9 STR



Structure attributes must be viewed using STN Express query preparation.

L11 223 SEA FILE=REGISTRY SSS FUL L9
 L12 427 SEA FILE=CAPLUS ABB=ON PLU=ON L11
 L13 STR



Structure attributes must be viewed using STN Express query preparation.

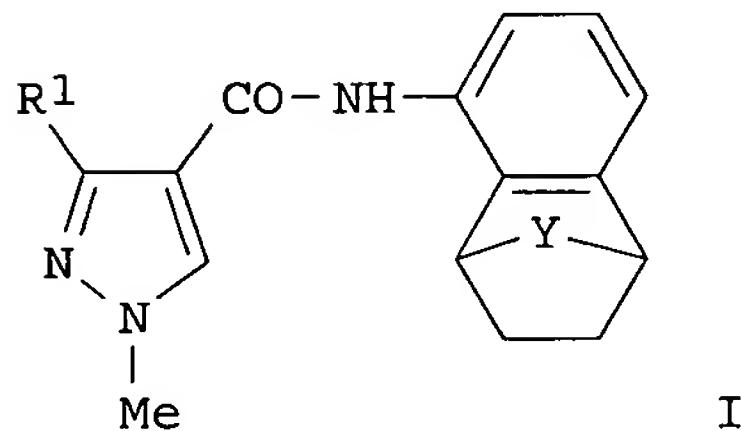
L15 109 SEA FILE=REGISTRY SSS FUL L13
 L16 155 SEA FILE=CAPLUS ABB=ON PLU=ON L15
 L17 19 SEA FILE=REGISTRY ABB=ON PLU=ON (L3 AND (L7 OR L11 OR L15))
 OR (L7 AND (L11 OR L15)) OR (L11 AND L15)
 L18 13 SEA FILE=CAPLUS ABB=ON PLU=ON L17
 L19 56 SEA FILE=CAPLUS ABB=ON PLU=ON (L4 AND (L8 OR L12 OR L16)) OR
 (L8 AND (L12 OR L16)) OR (L12 AND L16)
 L21 12 SEA FILE=CAPLUS ABB=ON PLU=ON L4 AND (L8 OR L12 OR L16)
 L22 21 SEA FILE=CAPLUS ABB=ON PLU=ON L8 AND ((L12 OR L16))
 L23 44 SEA FILE=CAPLUS ABB=ON PLU=ON L12 AND L16
 L24 16 SEA FILE=CAPLUS ABB=ON PLU=ON (L21 AND (L22 OR L23)) OR (L22
 AND L23)
 L33 43 SEA FILE=CAPLUS ABB=ON PLU=ON L19 NOT L18
 L34 1 SEA FILE=CAPLUS ABB=ON PLU=ON L33 NOT (PY>2002 OR AY>2002 OR
 PRY>2002)
 L35 14 SEA FILE=CAPLUS ABB=ON PLU=ON (L18 OR L34)
 L36 26 SEA FILE=CAPLUS ABB=ON PLU=ON (L35 OR L24)

=> d ibib abs hitstr 136 tot

L36 ANSWER 1 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2006:343598 CAPLUS
 DOCUMENT NUMBER: 144:364543
 TITLE: Synergistic fungicidal compositions comprising
 pyrazole derivatives
 INVENTOR(S): Walter, Harald; Corsi, Camilla; Ehrenfreund, Josef;
 Lamberth, Clemens; Tobler, Hans
 PATENT ASSIGNEE(S): Syngenta Participations AG, Switz.
 SOURCE: PCT Int. Appl., 142 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------|
| WO 2006037632 | A1 | 20060413 | WO 2005-EP10755 | 20051006 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |

PRIORITY APPLN. INFO.: GB 2004-22401 A 20041008
 GI



AB Synergistic fungicidal compns. comprise a pyrazole derivative I (R1 = difluoromethyl or trifluoromethyl; Y = CHR₂ or C:CH₂; R₂ = H or alkyl) or a I tautomer and component any of a very large number of known fungicides and insecticides.

IT 882164-74-1
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (synergistic fungicidal composition)

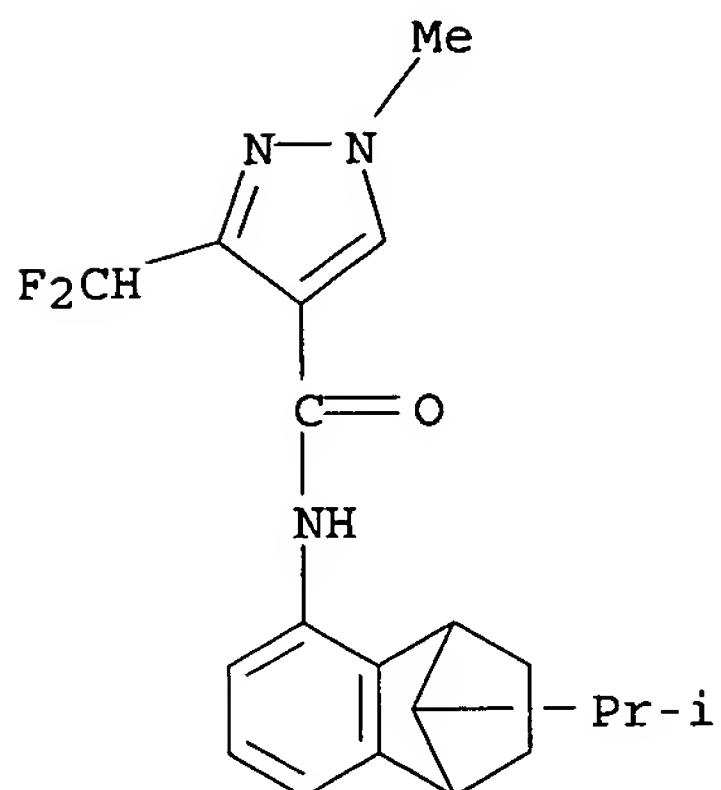
RN 882164-74-1 CAPLUS

CN 1H-Pyrazole-4-carboxamide, 3-(difluoromethyl)-1-methyl-N-[5,6,7,8-tetrahydro-9-(1-methylethyl)-5,8-methanonaphthalen-1-yl]-, mixt. with rel-1-[(2R,3S)-3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl]-1H-

1,2,4-triazole (9CI) (CA INDEX NAME)

CM 1

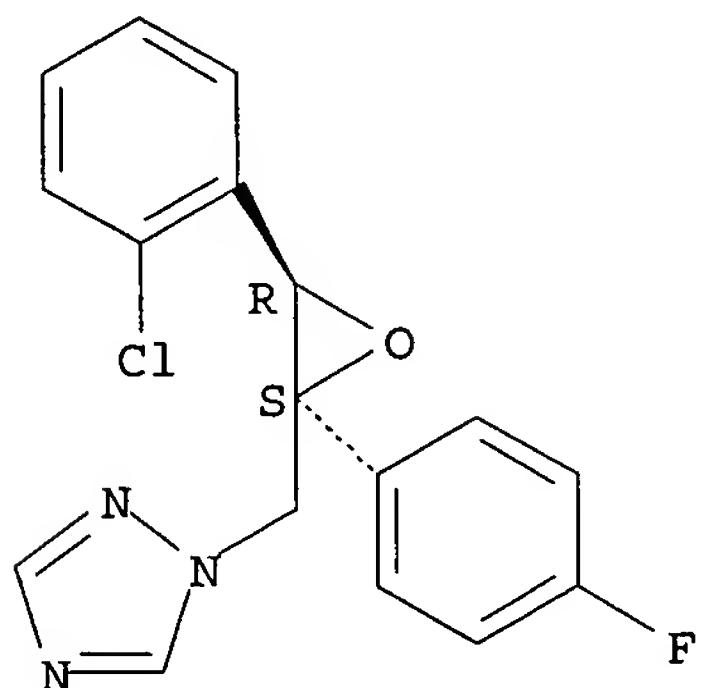
CRN 881685-58-1
CMF C20 H23 F2 N3 O



CM 2

CRN 133855-98-8
CMF C17 H13 Cl F N3 O

Relative stereochemistry.

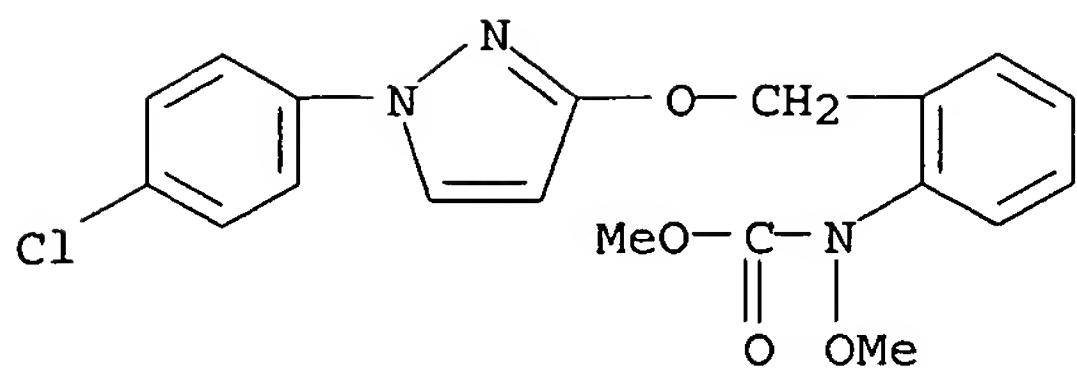


IT 175013-18-0D, Pyraclostrobin, mixts. containing 220899-03-6D
, Metrafenone, mixts. with pyrazole derivs. 221201-92-9D, mixts.
with pyrazole derivs.

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic fungicidal compns.)

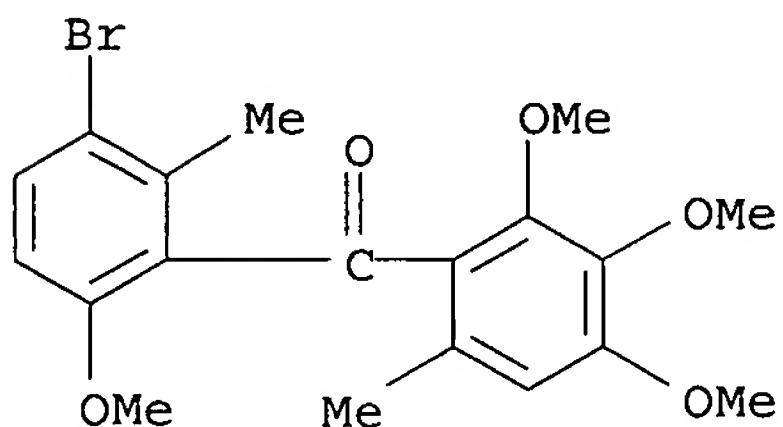
RN 175013-18-0 CAPLUS

CN Carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester (9CI) (CA INDEX NAME)



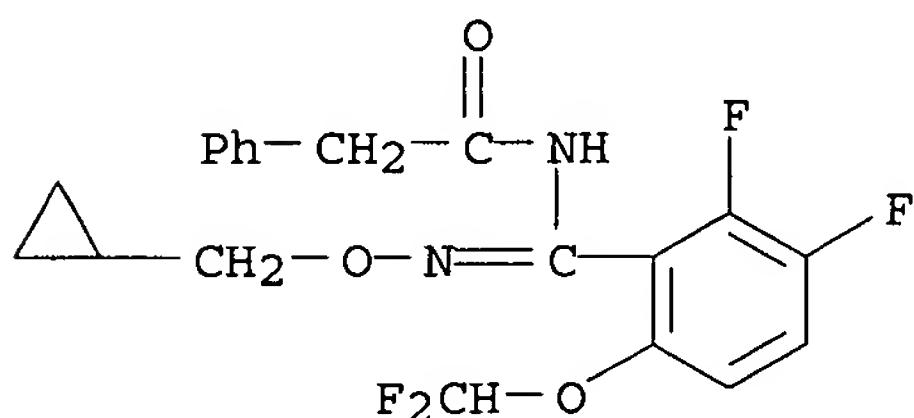
RN 220899-03-6 CAPLUS

CN Methanone, (3-bromo-6-methoxy-2-methylphenyl)(2,3,4-trimethoxy-6-methylphenyl)- (9CI) (CA INDEX NAME)



RN 221201-92-9 CAPLUS

CN Benzeneacetamide, N-[[[(cyclopropylmethoxy)amino][6-(difluoromethoxy)-2,3-difluorophenyl]methylene]- (9CI) (CA INDEX NAME)



REFERENCE COUNT:

1

THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2006:151202 CAPLUS

DOCUMENT NUMBER: 144:207363

TITLE: Synergistic fungicidal compositions comprising pyrazole derivatives

INVENTOR(S): Walter, Harald; Neuenschwander, Urs; Zeun, Ronald; Ehrenfreund, Josef; Tobler, Hans; Corsi, Camilla; Lamberth, Clemens

PATENT ASSIGNEE(S): Syngenta Participations AG, Switz.

SOURCE: PCT Int. Appl., 104 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.

KIND DATE

APPLICATION NO.

DATE

| | | | |
|---|--|----------------|----------|
| WO 2006015865 | A1 20060216 | WO 2005-EP8748 | 20050811 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | |

PRIORITY APPLN. INFO.:

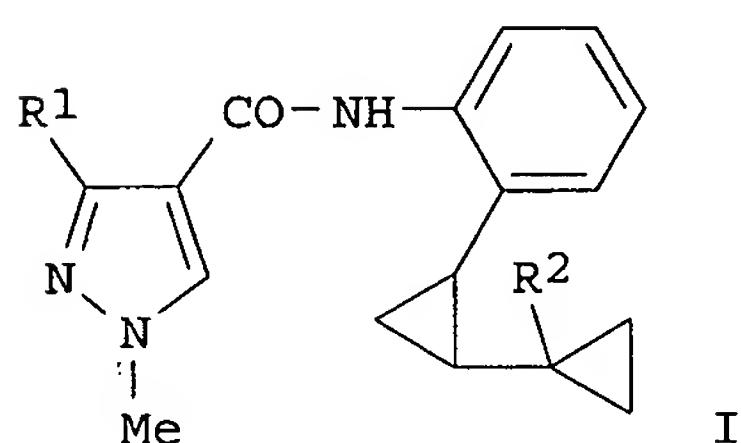
GB 2004-18047

A 20040812

OTHER SOURCE(S):

MARPAT 144:207363

GI



AB Synergistic fungicidal compns. comprise the pyrazole derivs. I (R1 = CF3 or CHF2; H or Me) or I tautomers and one of a very large number of known fungicides.

IT 133855-98-8D, Epoxiconazole;, mixts. with pyrazole derivs.

175013-18-0D, Pyraclostrobin;, mixts. with pyrazole derivs.

220899-03-6D, Metrafenone, mixts. with pyrazole derivs.

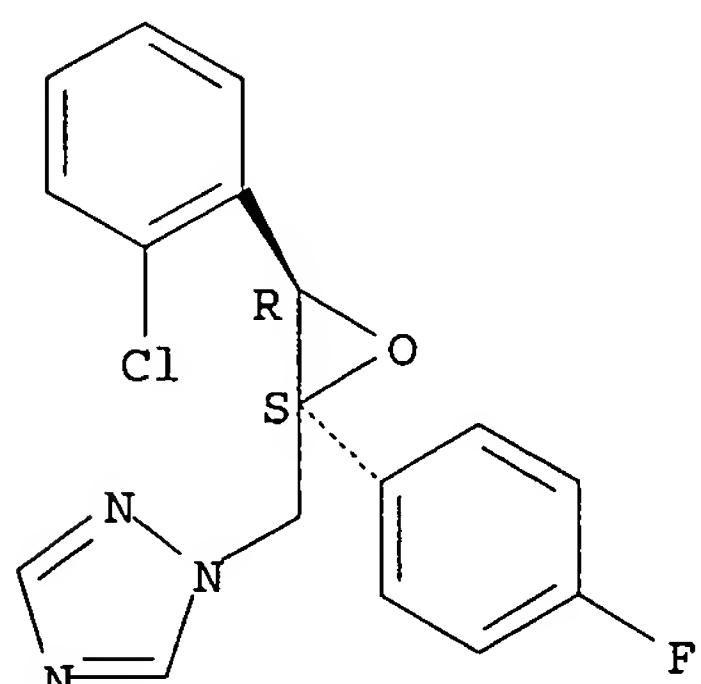
221201-92-9D, mixts. with pyrazole derivs.

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic fungicidal compns.)

RN 133855-98-8 CAPLUS

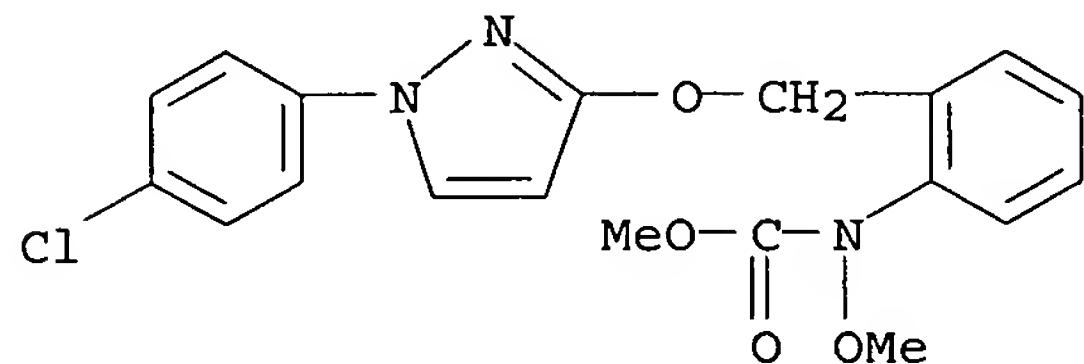
CN 1H-1,2,4-Triazole, 1-[[[(2R,3S)-3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



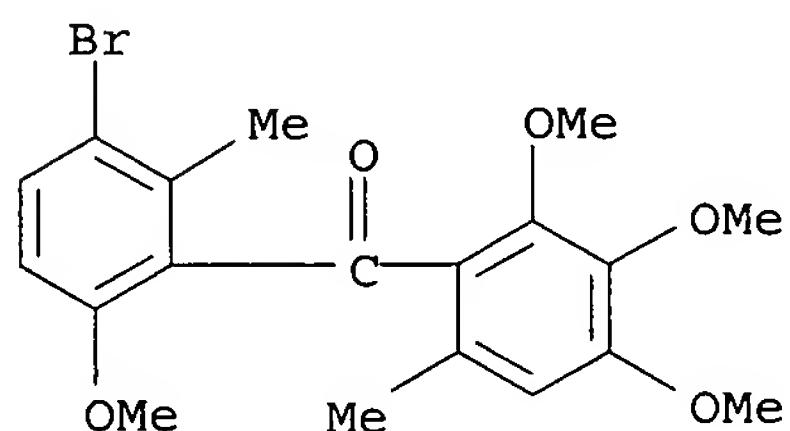
RN 175013-18-0 CAPLUS

CN Carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester (9CI) (CA INDEX NAME)



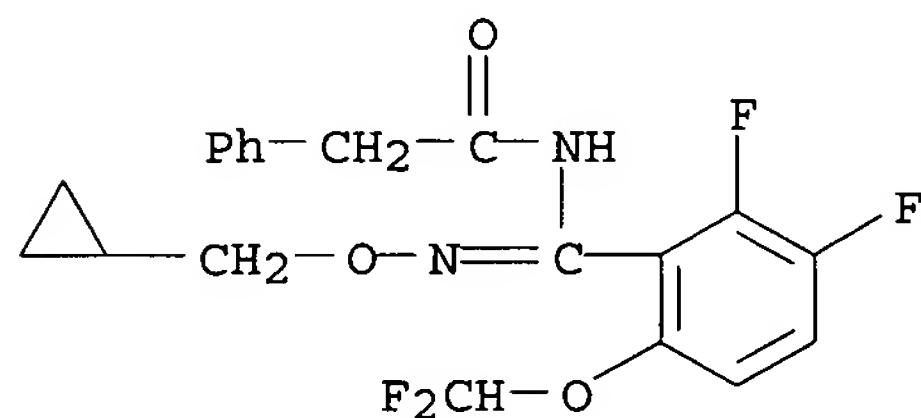
RN 220899-03-6 CAPLUS

CN Methanone, (3-bromo-6-methoxy-2-methylphenyl)(2,3,4-trimethoxy-6-methylphenyl)- (9CI) (CA INDEX NAME)



RN 221201-92-9 CAPLUS

CN Benzeneacetamide, N-[(cyclopropylmethoxy)amino][6-(difluoromethoxy)-2,3-difluorophenyl]methylene- (9CI) (CA INDEX NAME)



REFERENCE COUNT:

2

THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 3 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2006:147748 CAPLUS

DOCUMENT NUMBER: 144:207360

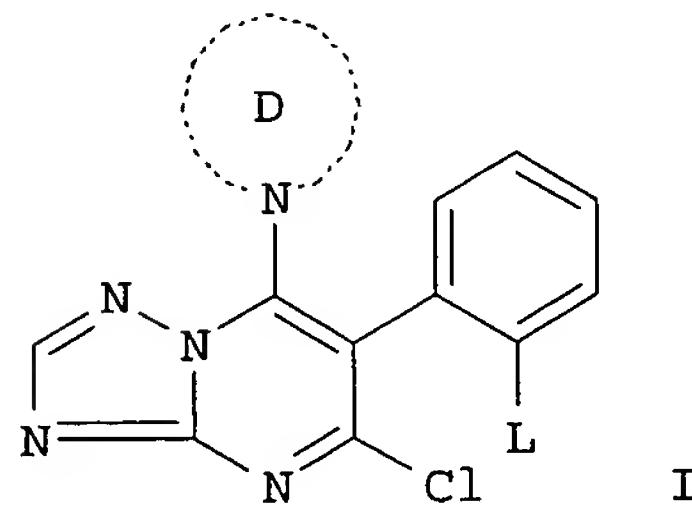
TITLE: Synergistic fungicide mixtures comprising triazolopyrimidine derivatives

INVENTOR(S): Blettner, Carsten; Dietz, Jochen; Grammenos, Wassilius; Grote, Thomas; Huenger, Udo; Mueller, Bernd; Niedenbrueck, Matthias; Rheinheimer, Joachim; Schaefer, Peter; Schiweck, Frank; Schwoegler, Anja; Nave, Barbara; Scherer, Maria; Strathmann, Siegfried; Schoefl, Ulrich; Stierl, Reinhard

PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany

SOURCE: PCT Int. Appl., 73 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|-------------------|----------|-----------------------|----------|
| WO 2006015728 | A1 | 20060216 | WO 2005-EP8192 | 20050728 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| PRIORITY APPLN. INFO.: | | | DE 2004-102004037784A | 20040803 |
| OTHER SOURCE(S): | MARPAT 144:207360 | | | |
| GI | | | | |



AB Synergistic fungicidal mixts. comprise: (1) a 5-chloro-6-phenyl-7-heterocyclaminotriazolo[1,5-a]pyrimidine derivative I, wherein D forms a pyrrolidine, piperidine or azepine ring together with the nitrogen atom, the rings being substituted or not substituted by one or two Me groups or by an Et, Pr or Bu group; and L represents Me, fluorine or chlorine; and (2) at least one active ingredient selected from: (A) azoles; (B) strobilurines; (C) acylalanines; (D) amine derivs.; (E) anilinopyrimidines; (F) dicarboximides; (G) cinnamic acid amides and analoges; (H) antibiotics; (K) dithiocarbamates; (L) heterocyclic compds.; (M) sulfur and copper fungicides; (N) nitrophenyl derivs.; (O) phenylpyrroles; (P) sulfenic acid derivs.; (Q) other fungicides; or (R) growth retardants.

IT 875294-86-3 875294-87-4 875295-14-0

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (synergistic fungicidal composition)

RN 875294-86-3 CAPLUS

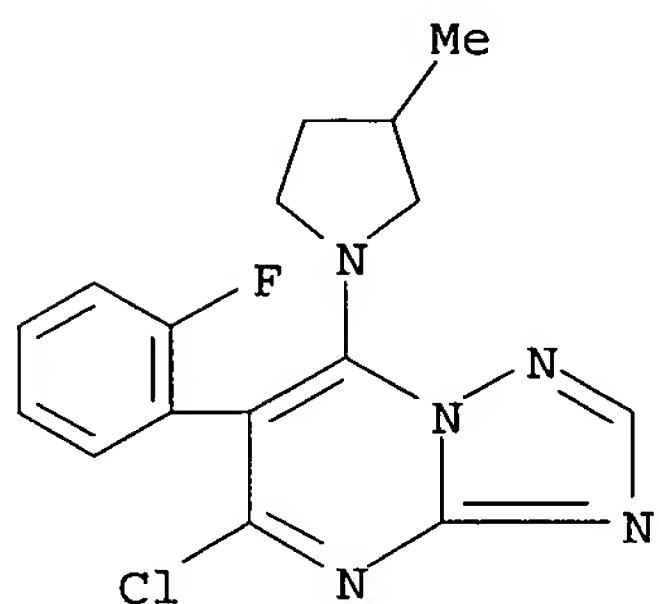
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-chloro-6-(2-fluorophenyl)-7-(3-methyl-1-pyrrolidinyl)-, mixt. with rel-1-[(2R,3S)-3-(2-chlorophenyl)-2-(4-

fluorophenyl)oxiranyl]methyl]-1H-1,2,4-triazole (9CI) (CA INDEX NAME)

CM 1

CRN 875294-85-2

CMF C16 H15 Cl F N5

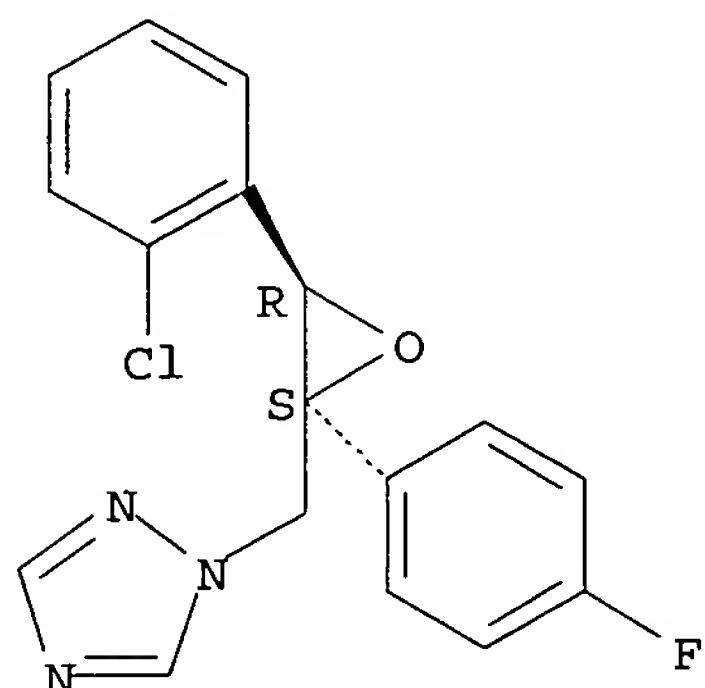


CM 2

CRN 133855-98-8

CMF C17 H13 Cl F N3 O

Relative stereochemistry.



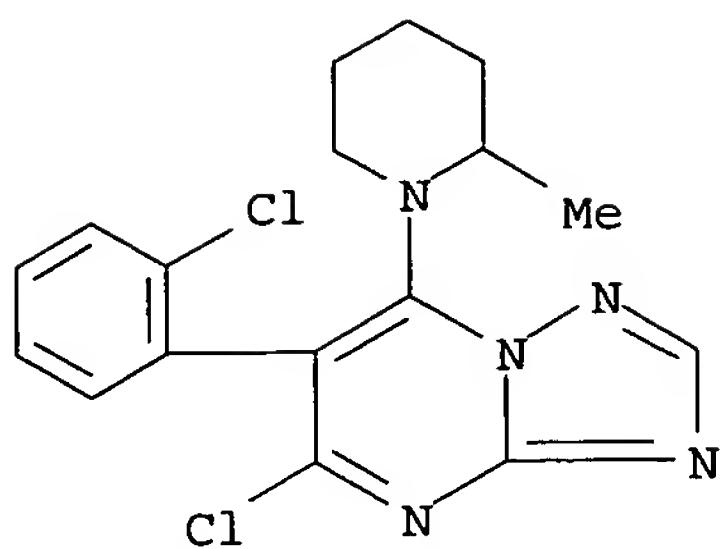
RN 875294-87-4 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-chloro-6-(2-chlorophenyl)-7-(2-methyl-1-piperidinyl)-, mixt. with rel-1-[(2R,3S)-3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl]-1H-1,2,4-triazole (9CI) (CA INDEX NAME)

CM 1

CRN 187233-46-1

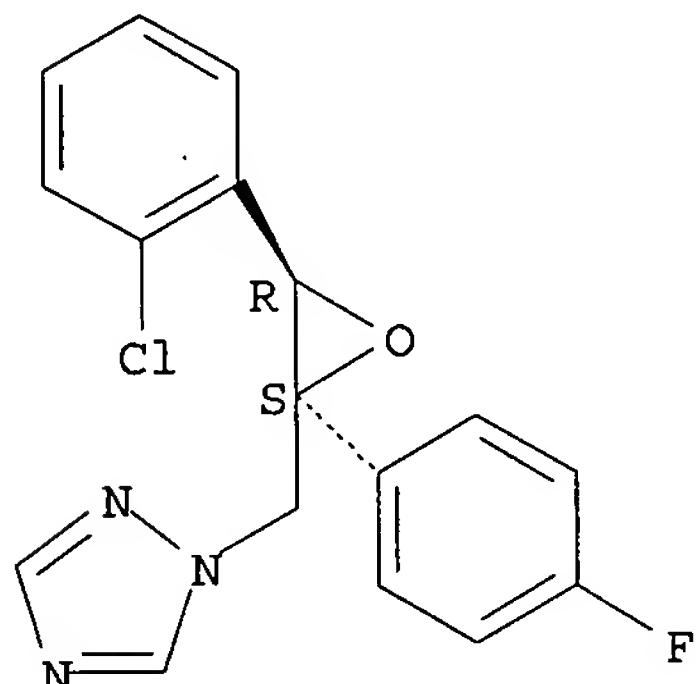
CMF C17 H17 Cl2 N5



CM 2

CRN 133855-98-8
CMF C17 H13 Cl F N3 O

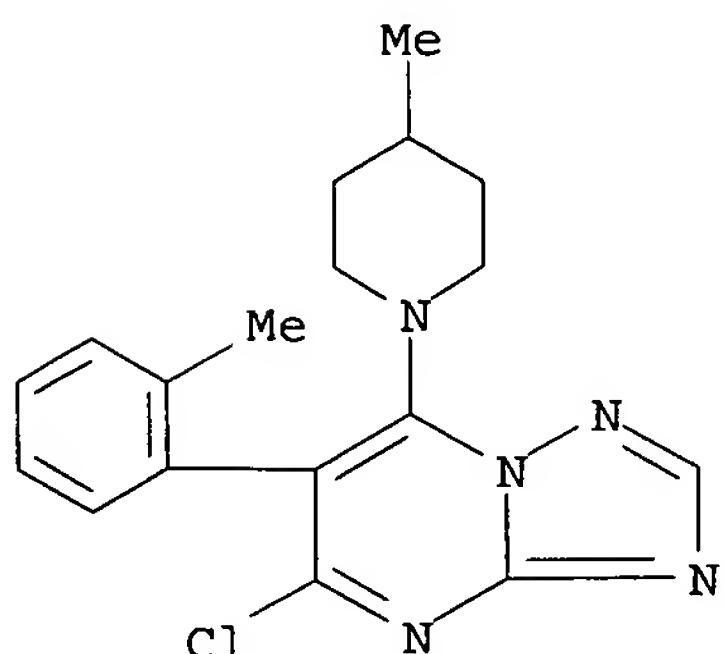
Relative stereochemistry.



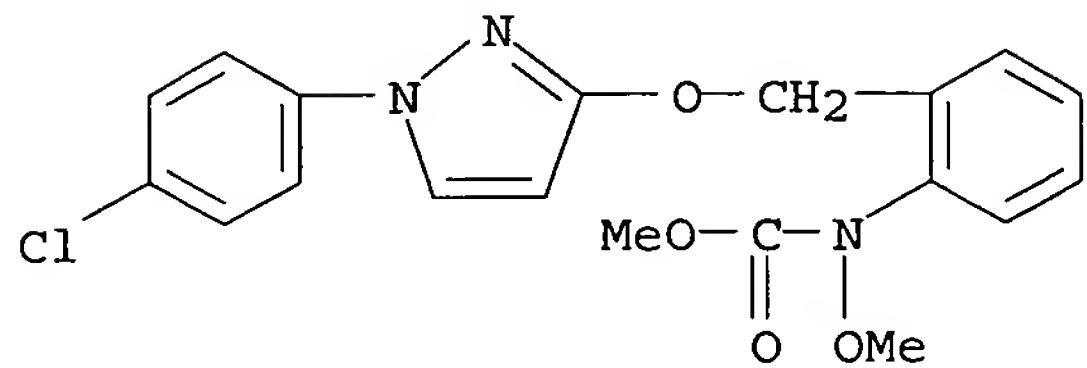
RN 875295-14-0 CAPLUS
CN Carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester, mixt. with 5-chloro-6-(2-methylphenyl)-7-(4-methyl-1-piperidinyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

CM 1

CRN 875294-90-9
CMF C18 H20 Cl N5

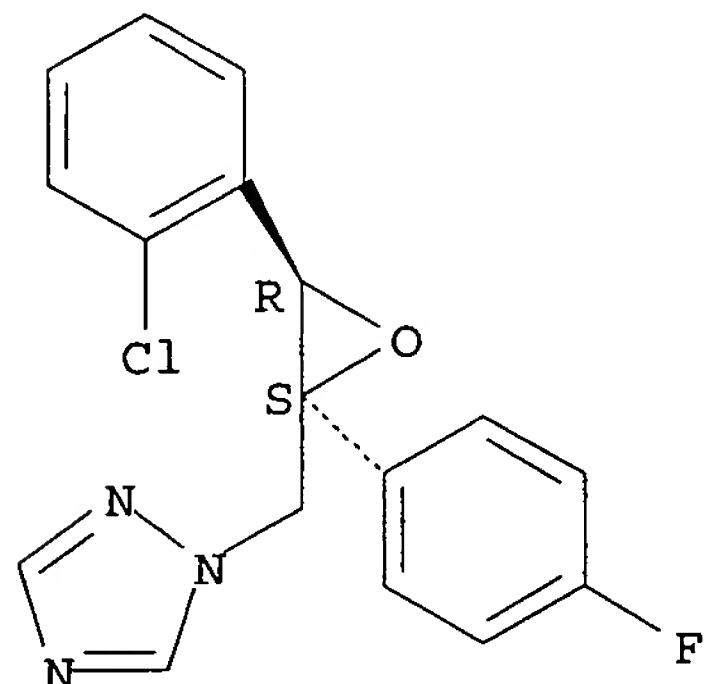


CM 2

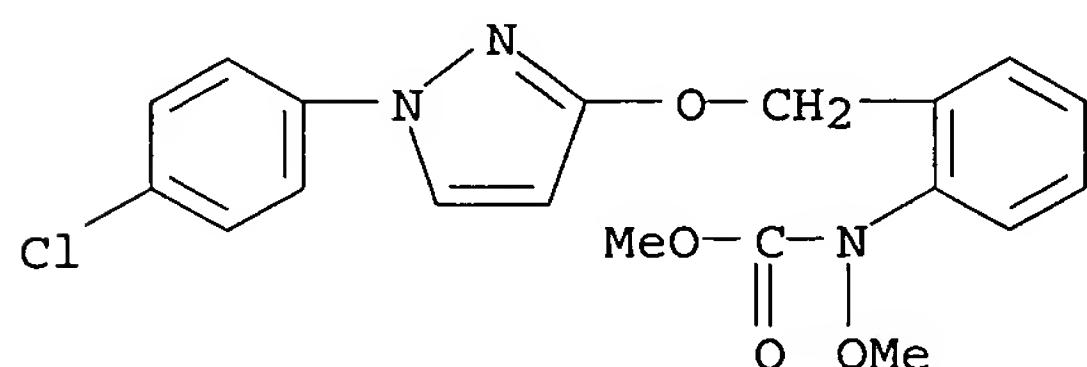
CRN 175013-18-0
CMF C19 H18 Cl N3 O4

IT 133855-98-8D, Epoxiconazole, mixts. with triazolopyrimidine derivs. 175013-18-0D, Pyraclostrobin, mixts. with triazolopyrimidine derivs. 220899-03-6D, MetrAfenone, mixts. with triazolopyrimidine derivs.
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (synergistic fungicidal compns.)
 RN 133855-98-8 CAPLUS
 CN 1H-1,2,4-Triazole, 1-[(2R,3S)-3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl-, rel- (9CI) (CA INDEX NAME)

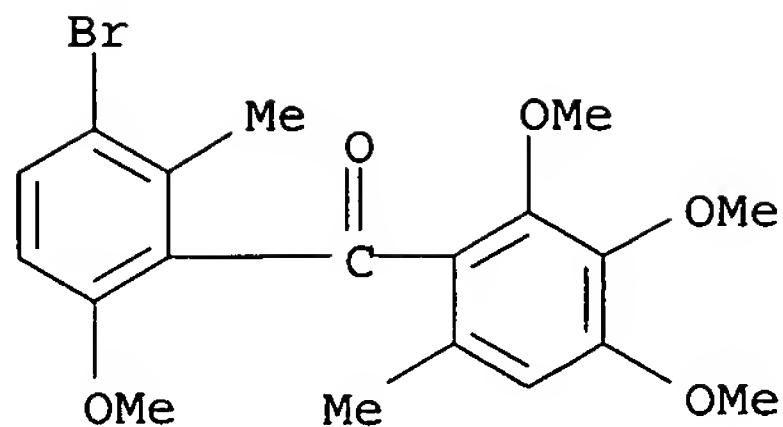
Relative stereochemistry.



RN 175013-18-0 CAPLUS
 CN Carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester (9CI) (CA INDEX NAME)



RN 220899-03-6 CAPLUS
 CN Methanone, (3-bromo-6-methoxy-2-methylphenyl)(2,3,4-trimethoxy-6-methylphenyl)- (9CI) (CA INDEX NAME)



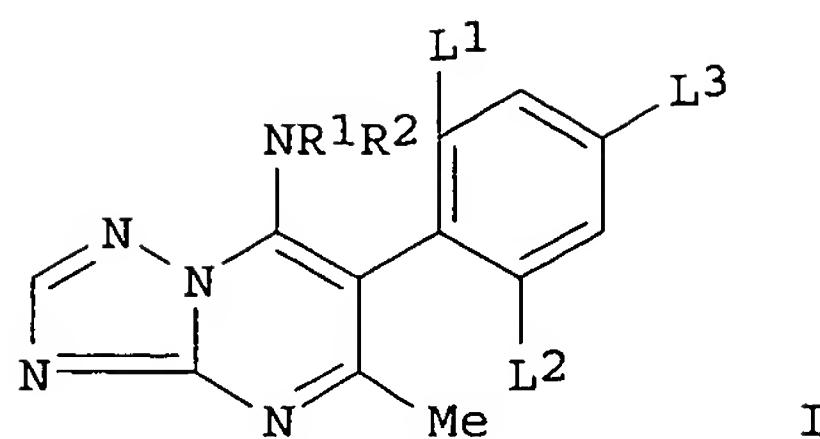
REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 4 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2005:1242496 CAPLUS
 DOCUMENT NUMBER: 143:473906
 TITLE: Synergistic fungicidal mixtures comprising triazolopyrimidines
 INVENTOR(S): Blettner, Carsten; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Huenger, Udo; Mueller, Bernd; Niedenbrueck, Matthias; Rheinheimer, Joachim; Schaefer, Peter; Schiweck, Frank; Schwoegler, Anja; Wagner, Oliver; Nave, Barbara; Scherer, Maria; Strathmann, Siegfried; Schoefl, Ulrich; Stierl, Reinhard
 PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
 SOURCE: PCT Int. Appl., 68 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------|
| WO 2005110080 | A2 | 20051124 | WO 2005-EP5070 | 20050511 |
| WO 2005110080 | A3 | 20060209 | | |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |

PRIORITY APPLN. INFO.: DE 2004-102004024193A 20040513
 DE 2004-102004024797A 20040517

OTHER SOURCE(S): MARPAT 143:473906
 GI



AB The invention relates to synergistic fungicidal mixts. containing a 5-methyl-7-aminotriazolo[1,5-a]pyrimidine derivative I, wherein R1 is alkyl, halogenalkyl, alkenyl or cyclopentyl, R2 is hydrogen or alkyl, R1 and R2 together with the nitrogen atom to which they are bound may form a piperidinyl cycle substitutable by a Me group, L1 is fluorine or chlorine, L2, L3 are independently from each other hydrogen, fluorine or chlorine, and at least one active substance selected from azoles, strobilurins, acylalanines, amine derivs., anilinopyrimidines, dicarboximides, cinnamic acid amides and analogs thereof, antibiotics, dithiocarbamates, heterocyclic compds., sulfur and copper fungicides, nitrophenyl derivs., phenylpyrroles, sulfenic acid derivs., other fungicides and growth retardants.

IT 869497-37-0 869497-46-1

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic fungicidal composition)

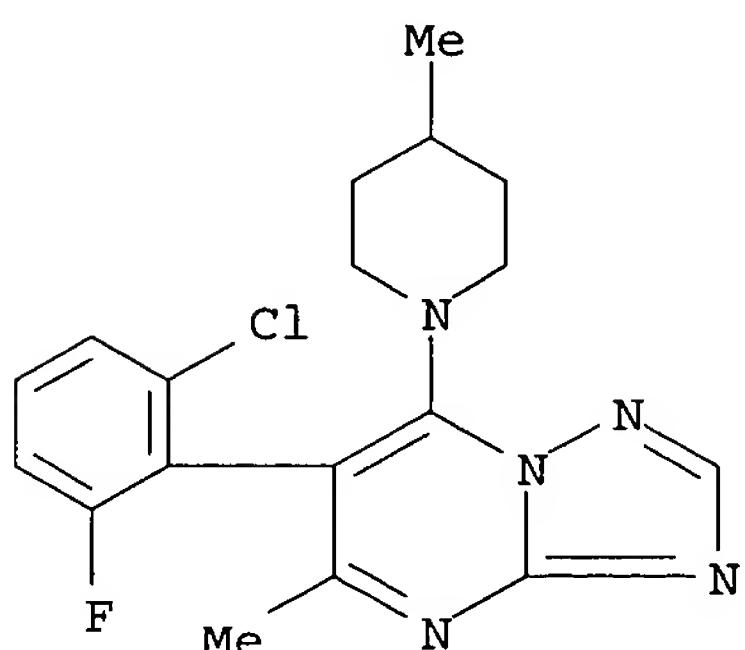
RN 869497-37-0 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-chloro-6-fluorophenyl)-5-methyl-7-(4-methyl-1-piperidinyl)-, mixt. with rel-1-[[[(2R,3S)-3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl]-1H-1,2,4-triazole (9CI) (CA INDEX NAME)

CM 1

CRN 220482-07-5

CMF C18 H19 Cl F N5

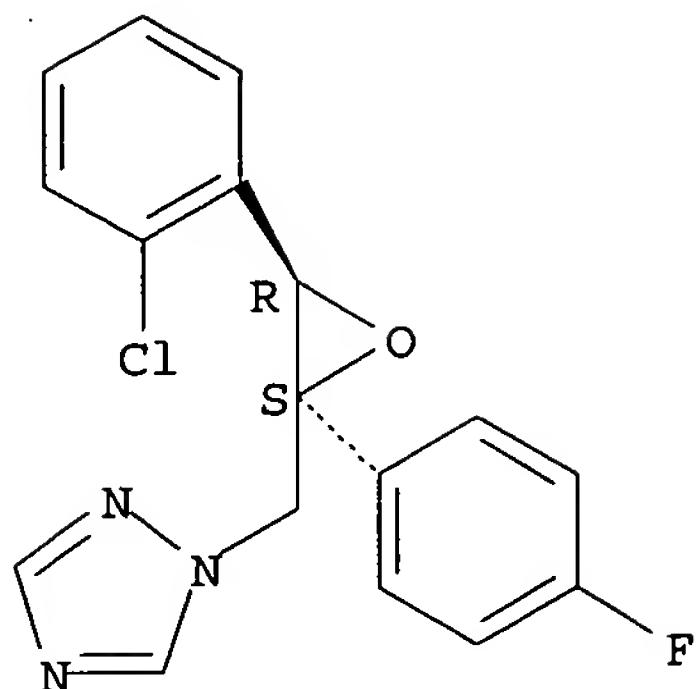


CM 2

CRN 133855-98-8

CMF C17 H13 Cl F N3 O

Relative stereochemistry.



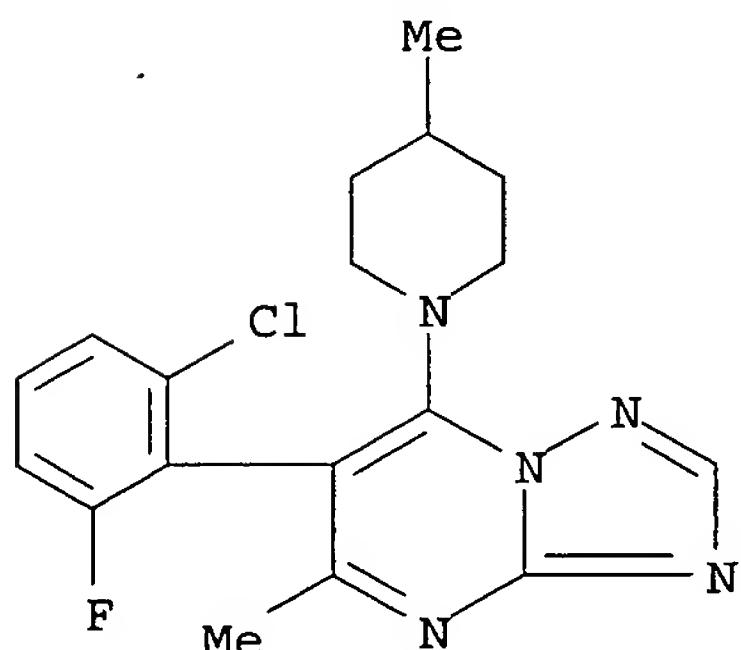
RN 869497-46-1 CAPLUS

CN Carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester, mixt. with 6-(2-chloro-6-fluorophenyl)-5-methyl-7-(4-methyl-1-piperidinyl)-[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

CM 1

CRN 220482-07-5

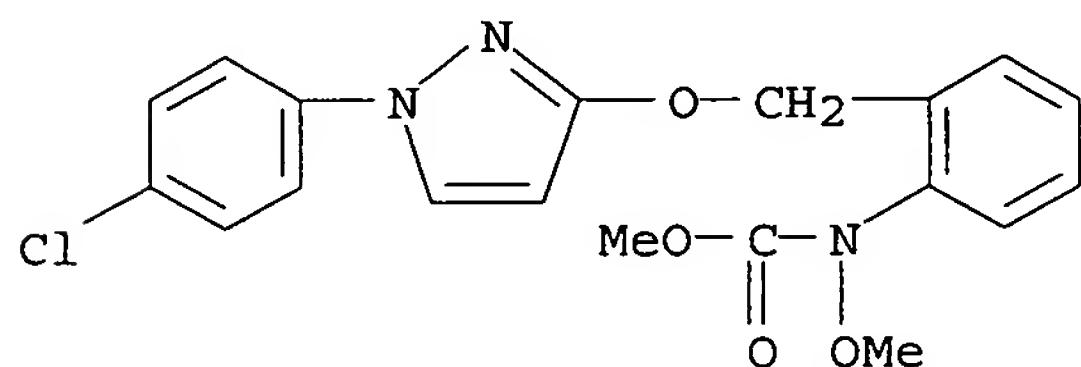
CMF C18 H19 Cl F N5



CM 2

CRN 175013-18-0

CMF C19 H18 Cl N3 O4



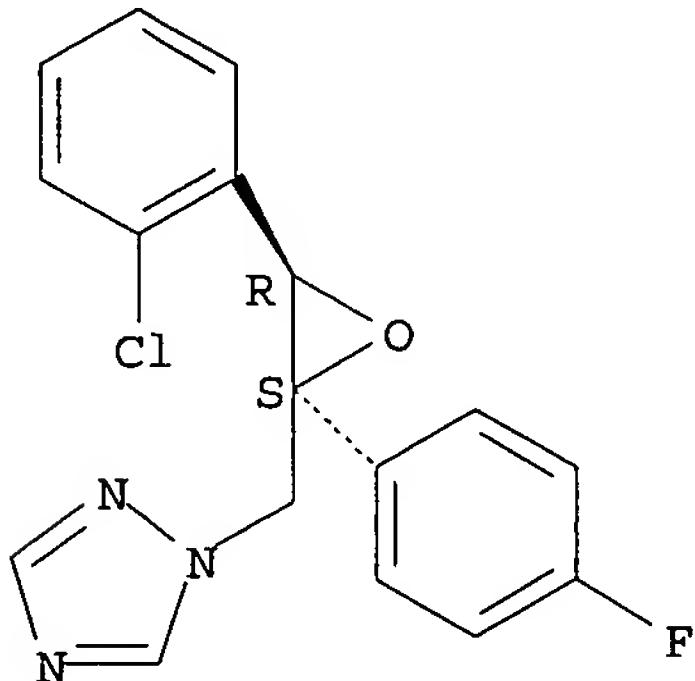
IT 133855-98-8D, mixts. with 5-methyl-7-aminotriazolo[1,5-a]pyrimidine derivative 175013-18-0D, Pyraclostrobin, mixts. with 5-methyl-7-aminotriazolo[1,5-a]pyrimidine derivative 220899-03-6D,

Metrafenone, mixts. with 5-methyl-7-aminotriazolopyrimidine derivative
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (synergistic fungicidal compns.)

RN 133855-98-8 CAPLUS

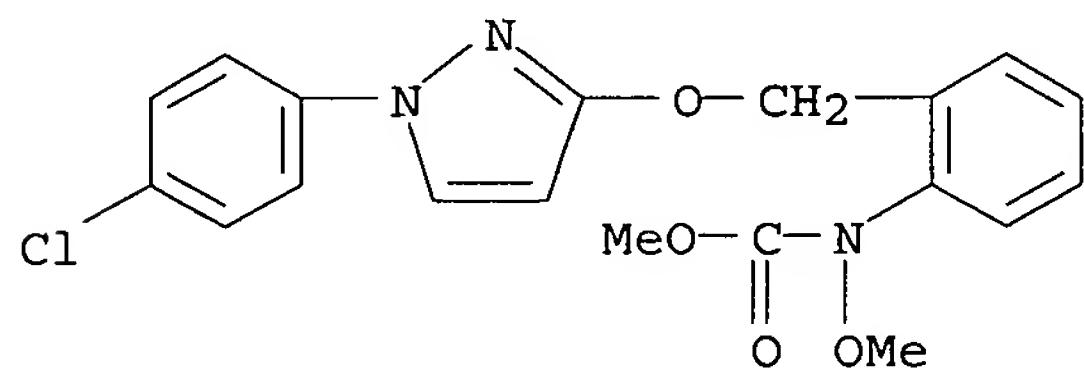
CN 1H-1,2,4-Triazole, 1-[[[(2R,3S)-3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



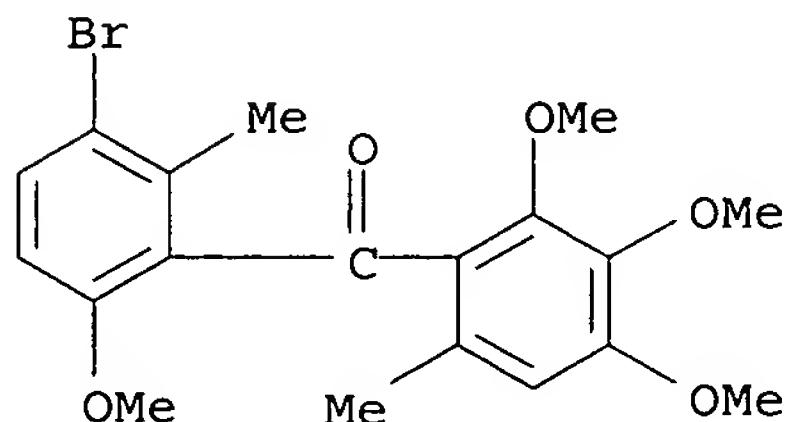
RN 175013-18-0 CAPLUS

CN Carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester (9CI) (CA INDEX NAME)



RN 220899-03-6 CAPLUS

CN Methanone, (3-bromo-6-methoxy-2-methylphenyl)(2,3,4-trimethoxy-6-methylphenyl)- (9CI) (CA INDEX NAME)



L36 ANSWER 5 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:1196027 CAPLUS

DOCUMENT NUMBER: 143:434112

TITLE: Synergistic fungicidal mixtures containing sulfamoyl compounds

INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria;

Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich; Gewehr, Markus; Mueller, Bernd; Suarez-Cervieri, Miguel Octavio; Niedenbrueck, Matthias

PATENT ASSIGNEE (S) : Basf Aktiengesellschaft, Germany

SOURCE : PCT Int. Appl., 43 pp.

CODEN : PIXXD2

DOCUMENT TYPE : Patent

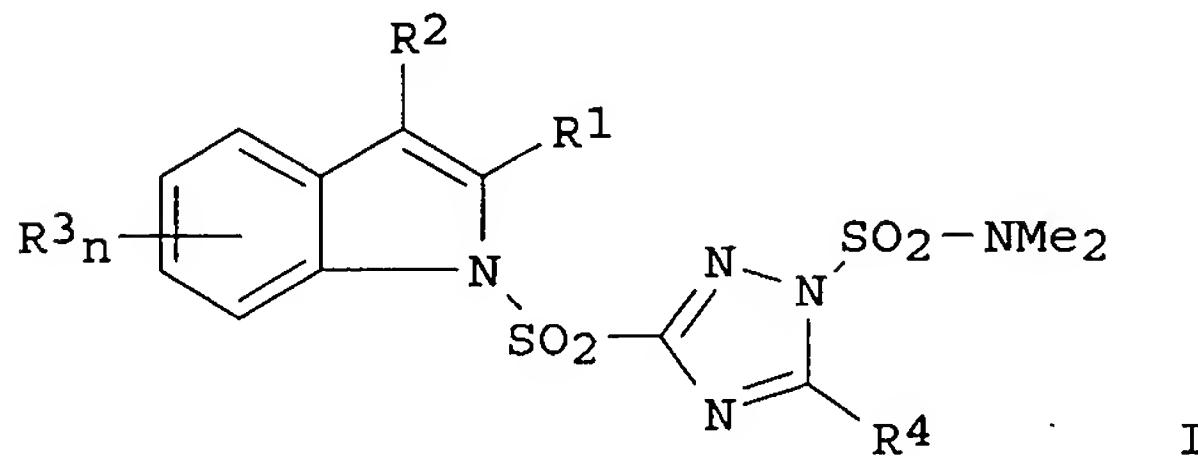
LANGUAGE : German

FAMILY ACC. NUM. COUNT : 1

PATENT INFORMATION :

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------------|----------|
| WO 2005104847 | A1 | 20051110 | WO 2005-EP4387 | 20050423 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| PRIORITY APPLN. INFO. : | | | DE 2004-102004021766A | 20040430 |
| | | | DE 2004-102004025032A | 20040518 |

OTHER SOURCE (S) : MARPAT 143:434112
GI



AB Synergistic fungicidal mixts. contain sulfamoyl compds. I (R1 = H, halo, cyano, alkyl, haloalkyl, alkoxy, alkylthio, alkoxy carbonyl, Ph, benzyl, formyl, or CH:NOA; A = H, alkyl, alkyl carbonyl; R2 = H, halo, cyano, alkyl, haloalkyl, alkoxy carbonyl; R3 = halo, cyano, nitro, alkyl, haloalkyl, alkoxy, alkylthio, alkoxy carbonyl, formyl, or CH:NOA; n = 0, 1, 2, 3, or 4; R4 = H, halo, cyano, alkyl, or haloalkyl) and at least one active substance selected among azoles, strobilurine, acylalanine, amine derivs., anilinopyrimidines, dicarboximides, cinnamides and analogs, dithiocarbamates, heterocyclic compds., sulfur and copper fungicides, nitrophenyl derivs., phenylpyrroles, sulfenic acid derivs., or other fungicides.

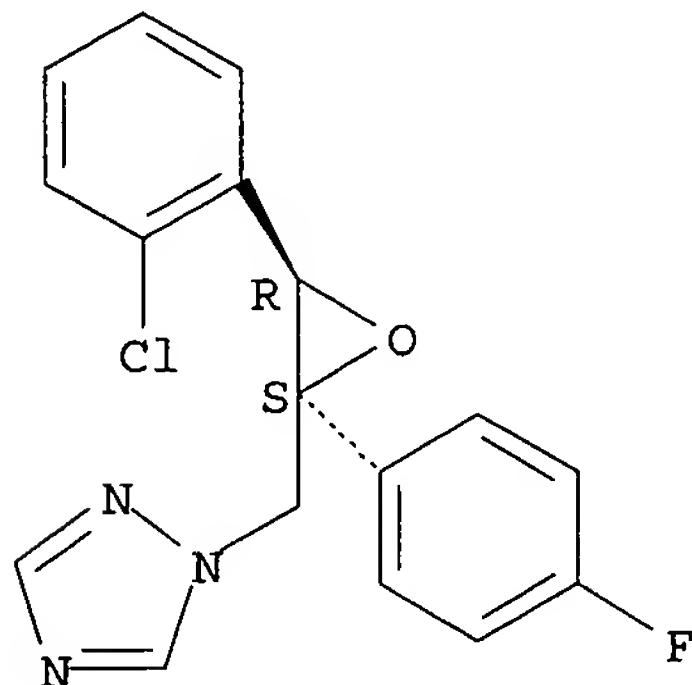
IT 133855-98-8D, Epoxiconazole, mixts. with sulfamoyl compds.
175013-18-0D, Pyraclostrobin, mixts. with sulfamoyl compds.

220899-03-6D, Metrafenone, mixts. with sulfamoyl compds.
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (synergistic fungicidal compns.)

RN 133855-98-8 CAPLUS

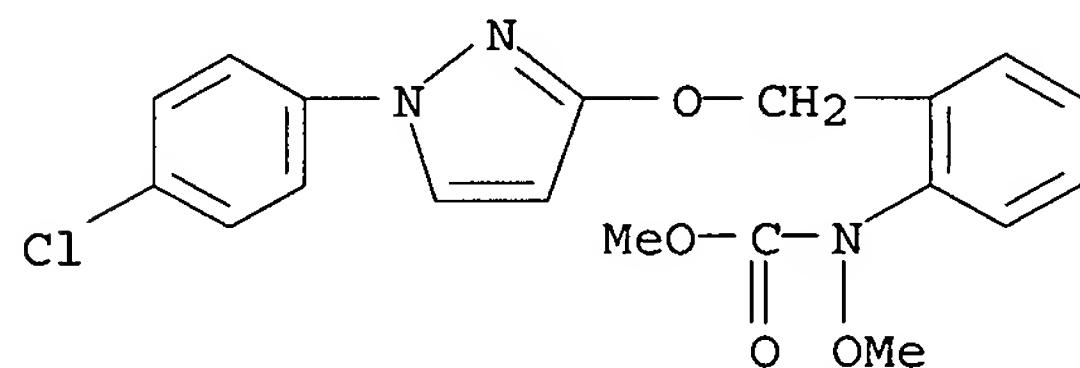
CN 1H-1,2,4-Triazole, 1-[[*(2R,3S)*-3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



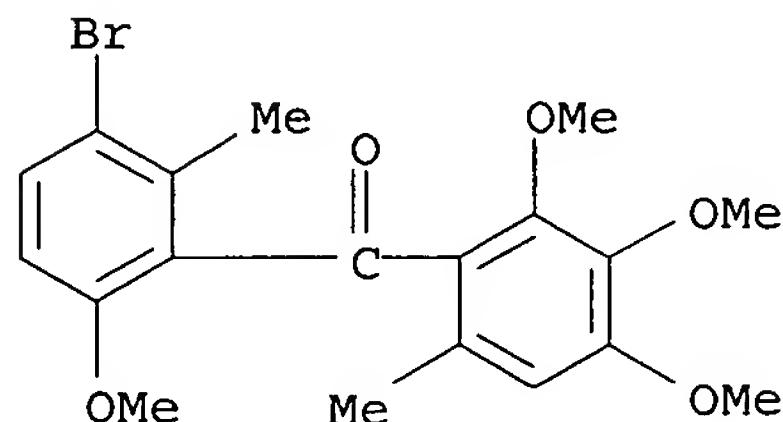
RN 175013-18-0 CAPLUS

CN Carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester (9CI) (CA INDEX NAME)



RN 220899-03-6 CAPLUS

CN Methanone, (3-bromo-6-methoxy-2-methylphenyl)(2,3,4-trimethoxy-6-methylphenyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 6 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:1106849 CAPLUS

DOCUMENT NUMBER: 143:361642

TITLE: Synergistic ternary fungicidal mixtures

INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich

PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany

SOURCE: PCT Int. Appl., 38 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 6

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------|
| WO 2005094583 | A1 | 20051013 | WO 2005-EP3213 | 20050326 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |

PRIORITY APPLN. INFO.: DE 2004-102004016084A 20040330

AB Synergistic ternary fungicidal mixts. comprise 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine, a strobilurin derivative (pyraclostrobin or orysastrobin) and a fungicide selected from acylalanines, amine derivs., anilinopyrimidines, antibiotics, azoles, dicarboximides, dithiocarbamates, copper fungicides, nitrophenyl derivs., phenylpyrroles, sulfenic acid derivs., cinnamic acid derivs. and their analogs and anilazine, benomyl, boscalid, carbendazim, carboxin, oxycarboxin, cyazofamid, dazomet, dithianon, famoxadone, fenamidone, fenarimol, fuberidazole, flutolanil, furametpyr, isoprothiolane, mepronil, nuarimol, picobenzamide, probenazole, proquinazid, pyrifenoxy, pyroquilon, quinoxyfen, silthiofam, thiabendazole, thifluzamide, thiophanate-Me, tiadinil, tricyclazole, triforine, sulfur, acibenzolar-S-Me, benthiavalicarb, carpropamid, chlorothalonil, cyflufenamid, cymoxanil, dazomet, diclomezine, diclocymet, diethofencarb, edifenphos, ethaboxam, fenhexamid, fentin acetate, fenoxanil, ferimzone, fluazinam, phosphorous acid, fosetyl, fosetyl-aluminum, iprovalicarb, hexachlorobenzene, metrafenone, pencycuron, propamocarb, phthalide, tolclofos-Me, quintozene and zoxamideamt.

IT 866130-56-5 866130-57-6 866130-58-7

866130-59-8 866130-60-1

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic ternary fungicidal mixture)

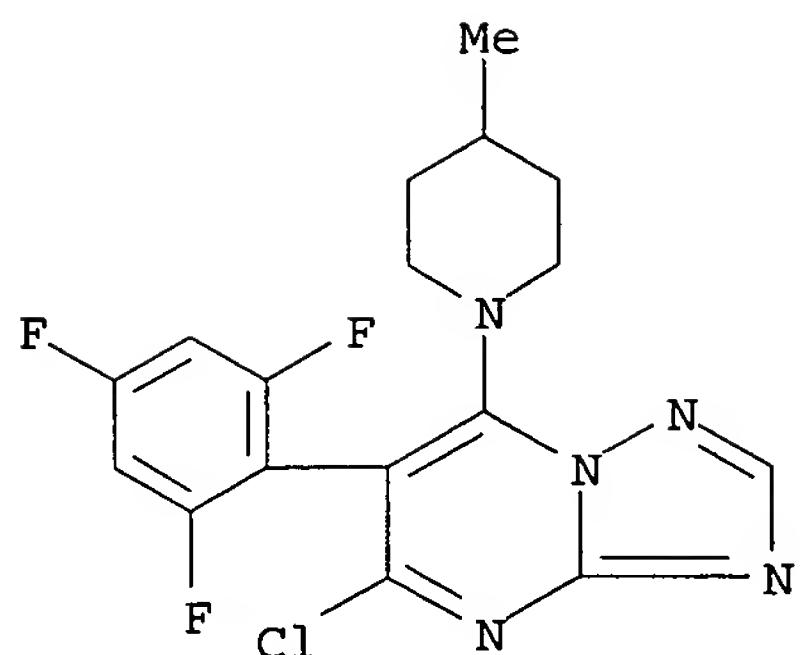
RN 866130-56-5 CAPLUS

CN Carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine and N-propyl-N-[2-(2,4,6-trichlorophenoxy)ethyl]-1H-imidazole-1-carboxamide (9CI) (CA INDEX NAME)

CM 1

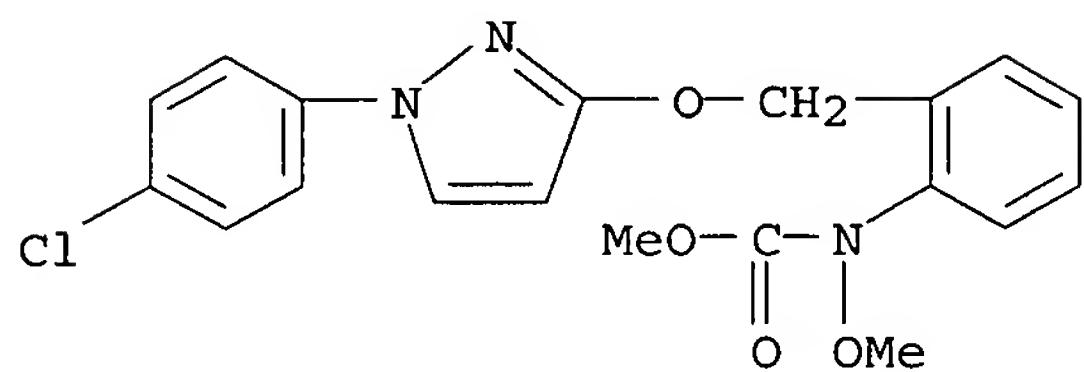
CRN 214706-53-3

CMF C17 H15 Cl F3 N5



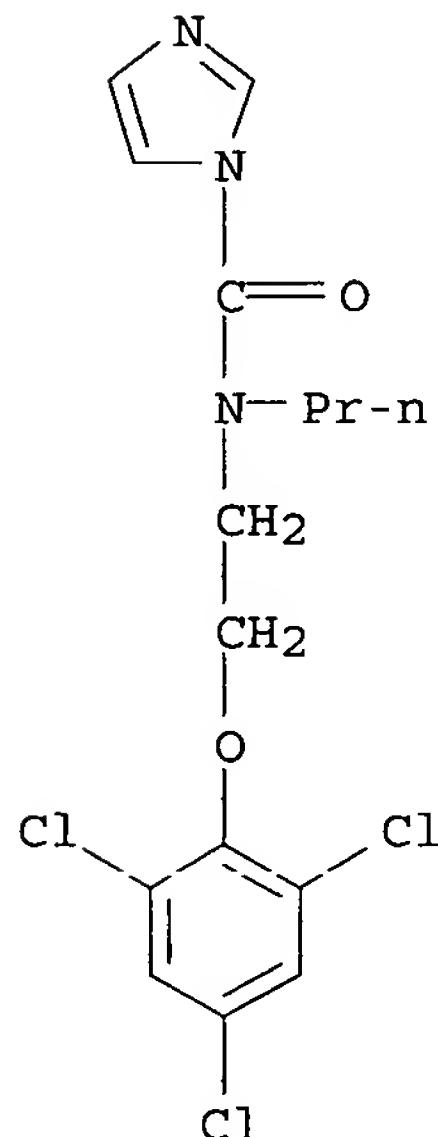
CM 2

CRN 175013-18-0
CMF C19 H18 Cl N3 O4



CM 3

CRN 67747-09-5
CMF C15 H16 Cl3 N3 O2



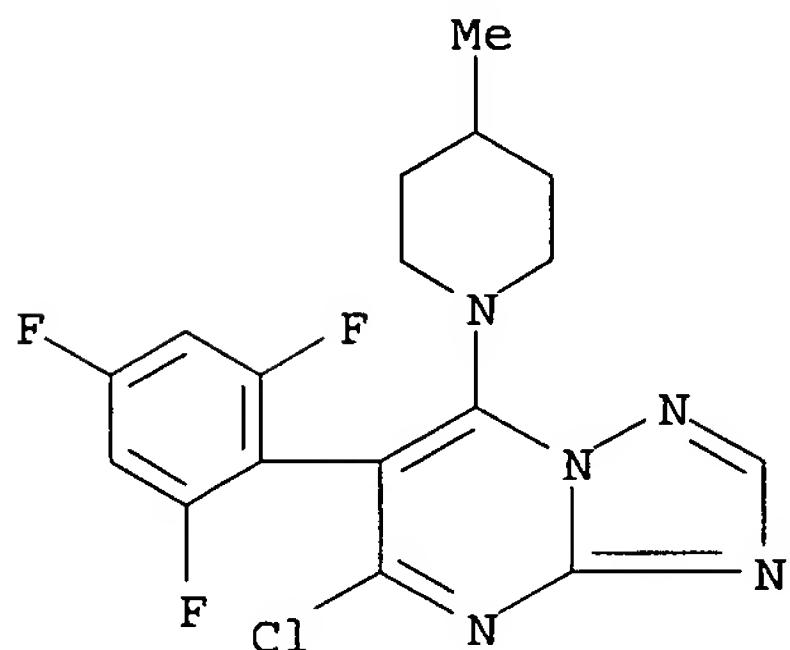
RN 866130-57-6 CAPLUS

CN Carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine and 5-[(4-chlorophenyl)methyl]-2,2-dimethyl-1-(1H-1,2,4-triazol-1-ylmethyl)cyclopentanol (9CI) (CA INDEX NAME)

CM 1

CRN 214706-53-3

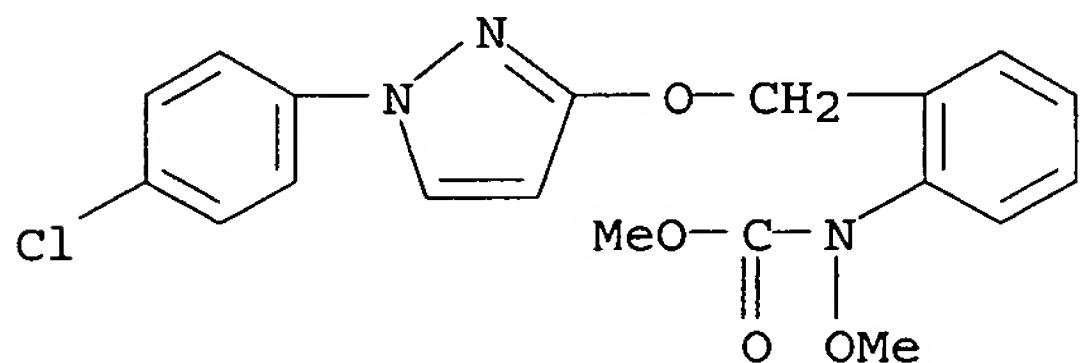
CMF C17 H15 Cl F3 N5



CM 2

CRN 175013-18-0

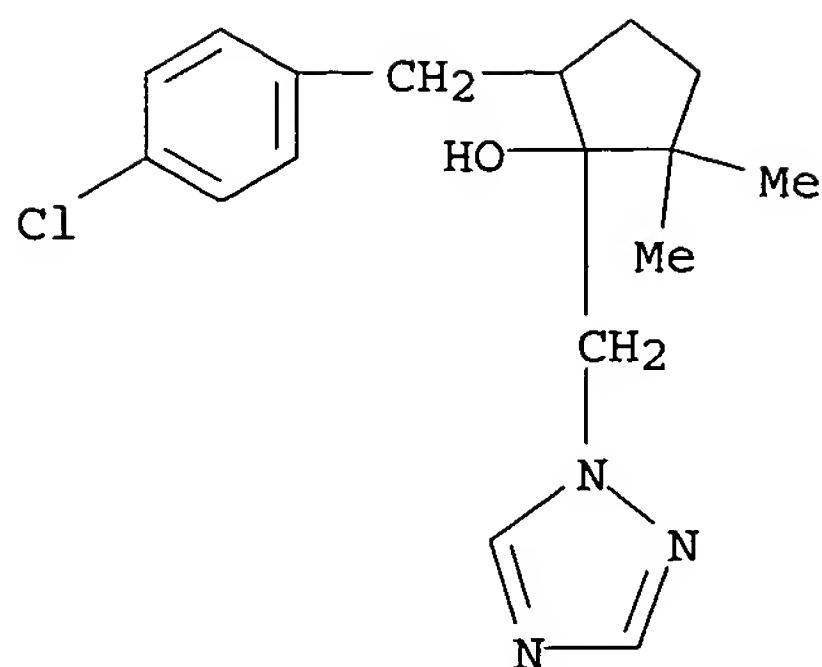
CMF C19 H18 Cl N3 O4



CM 3

CRN 125116-23-6

CMF C17 H22 Cl N3 O



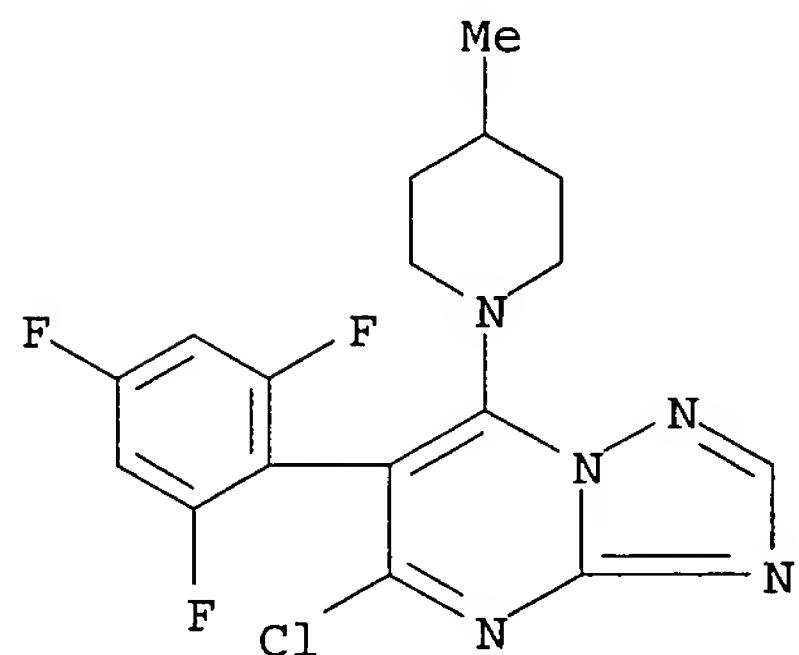
RN 866130-58-7 CAPLUS

CN Carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine and rel-1-[[[(2R,3S)-3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl]-1H-1,2,4-triazole (9CI) (CA INDEX NAME)

CM 1

CRN 214706-53-3

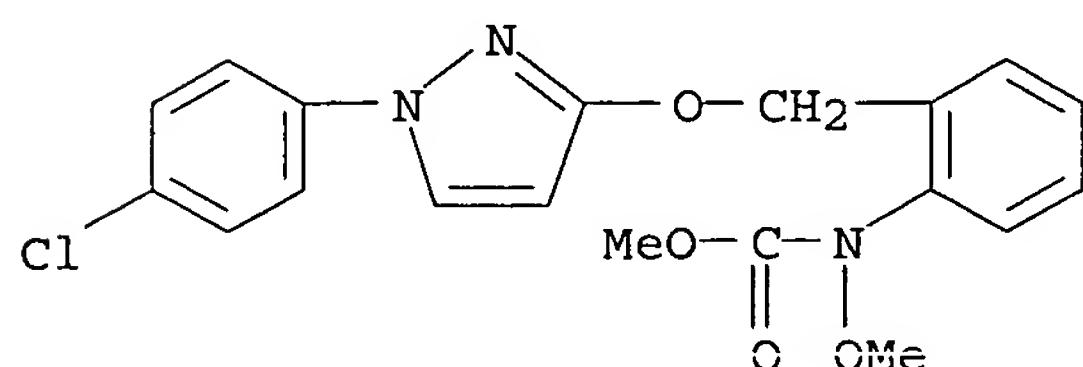
CMF C17 H15 Cl F3 N5



CM 2

CRN 175013-18-0

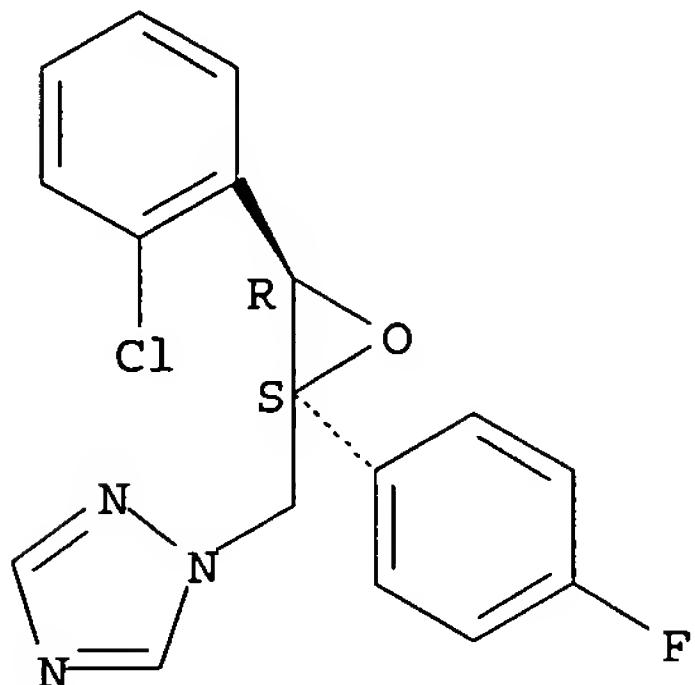
CMF C19 H18 Cl N3 O4



CM 3

CRN 133855-98-8
CMF C17 H13 Cl F N3 O

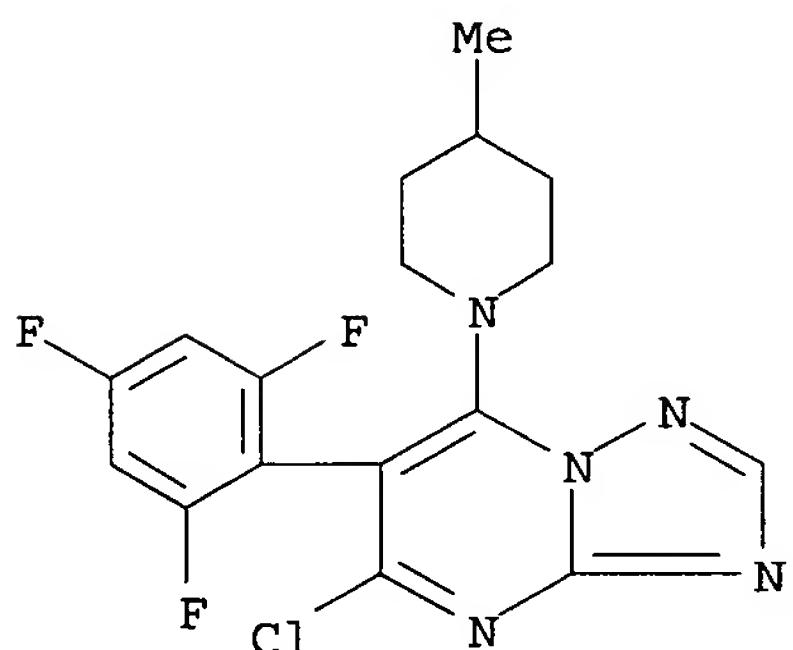
Relative stereochemistry.



RN 866130-59-8 CAPLUS
CN Carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester, mixt. with 2-chloro-N-(4'-chloro[1,1'-biphenyl]-2-yl)-3-pyridinecarboxamide and 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

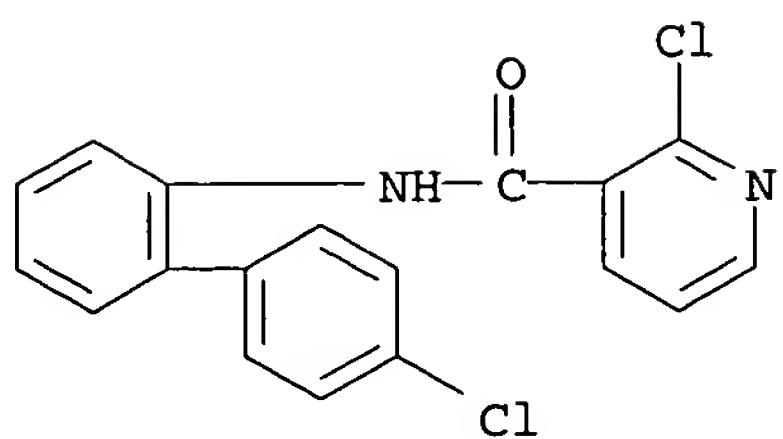
CM 1

CRN 214706-53-3
CMF C17 H15 Cl F3 N5



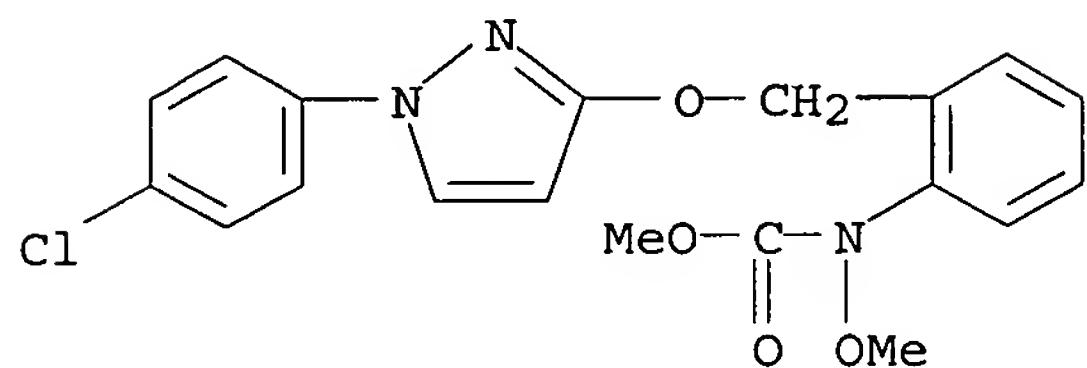
CM 2

CRN 188425-85-6
CMF C18 H12 Cl2 N2 O



CM 3

CRN 175013-18-0
CMF C19 H18 Cl N3 O4

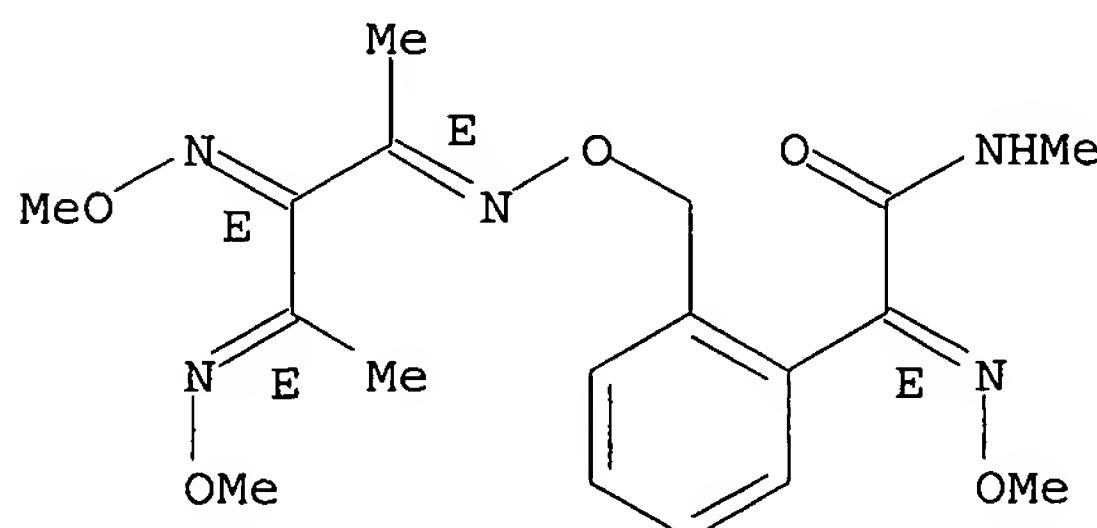


RN 866130-60-1 CAPLUS
CN Benzeneacetamide, α - (methoxyimino) -2- [(3E,5E,6E) -5- (methoxyimino) -4,6-dimethyl-2,8-dioxa-3,7-diazanona-3,6-dien-1-yl] -N-methyl-, (E)-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine and rel-1-[(2R,3S)-3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl-1H-1,2,4-triazole (9CI) (CA INDEX NAME)

CM 1

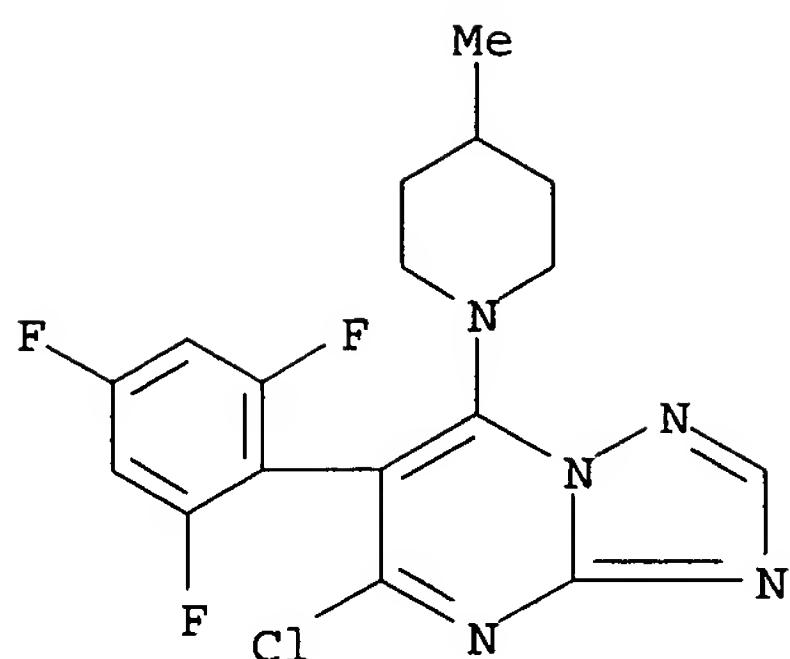
CRN 248593-16-0
CMF C18 H25 N5 O5

Double bond geometry as shown.



CM 2

CRN 214706-53-3
CMF C17 H15 Cl F3 N5

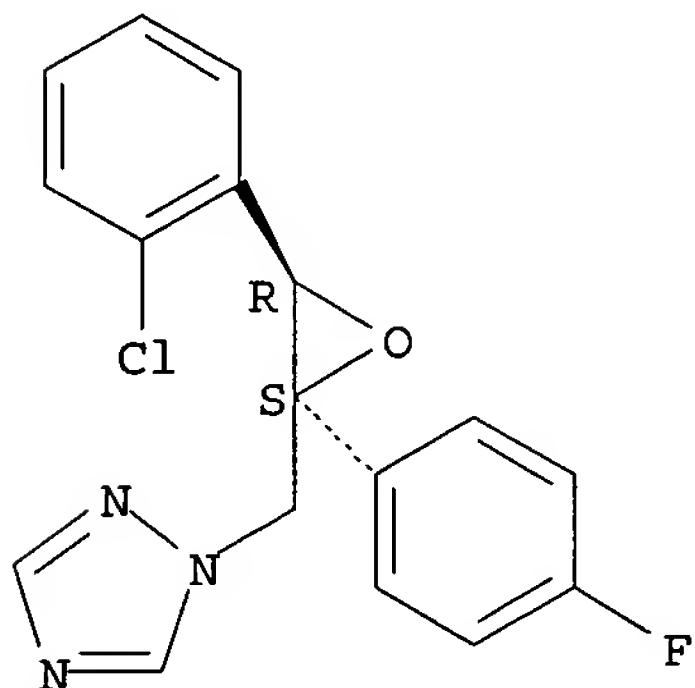


CM 3

CRN 133855-98-8

CMF C17 H13 Cl F N3 O

Relative stereochemistry.

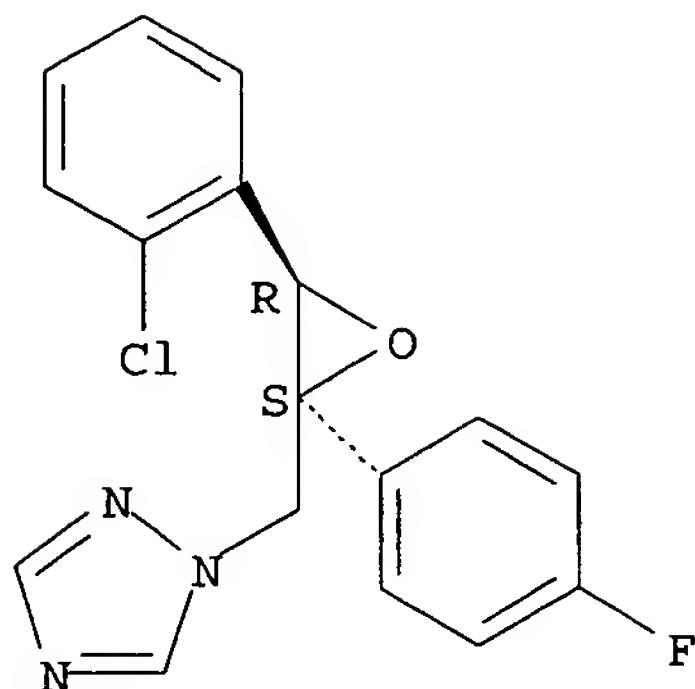


IT 133855-98-8D, Epoxiconazole, mixts. with triazolopyrimidine and strobilurin derivs. 175013-18-0D, (Pyraclostrobin, ternary mixts. containing triazolopyrimidine derivs. 220899-03-6D, Metrafenone, mixts. with triazolopyrimidine and strobilurin derivs. RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (synergistic ternary fungicidal mixts.)

RN 133855-98-8 CAPLUS

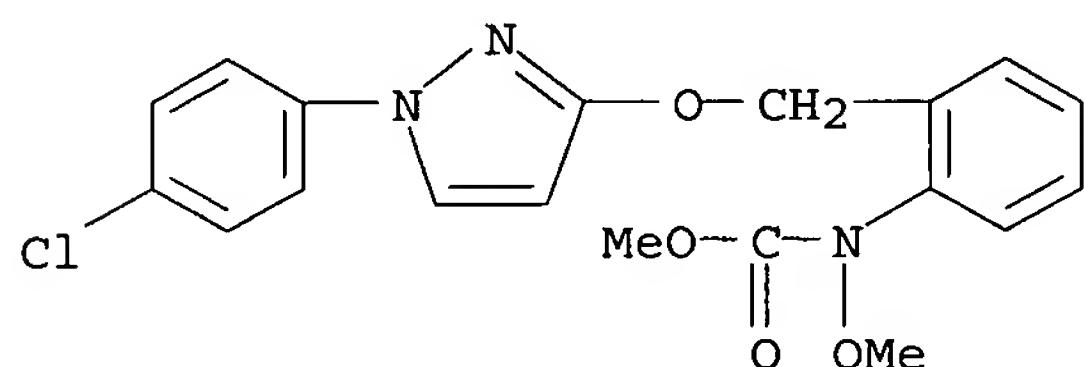
CN 1H-1,2,4-Triazole, 1-[(2R,3S)-3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



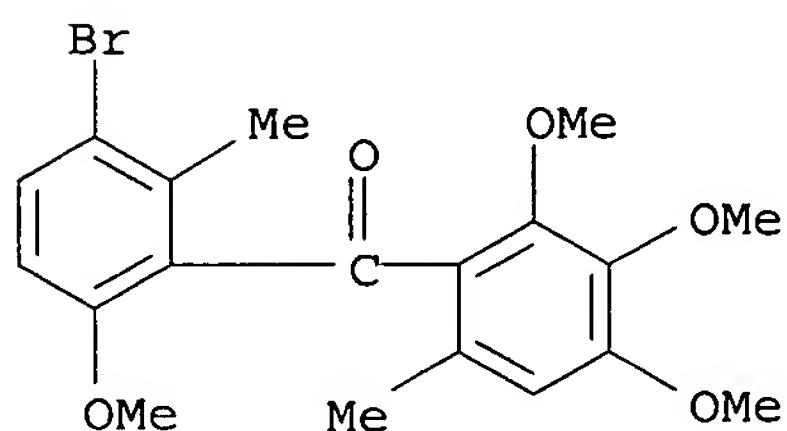
RN 175013-18-0 CAPLUS

CN Carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester (9CI) (CA INDEX NAME)



RN 220899-03-6 CAPLUS

CN Methanone, (3-bromo-6-methoxy-2-methylphenyl)(2,3,4-trimethoxy-6-methylphenyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 7 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:1073977 CAPLUS

DOCUMENT NUMBER: 143:361659

TITLE: Compositions containing benzanilides and their application as pesticides

INVENTOR(S): Takii, Shinji

PATENT ASSIGNEE(S): Nissan Chemical Industries, Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 190 pp.

CODEN: JKXXAF

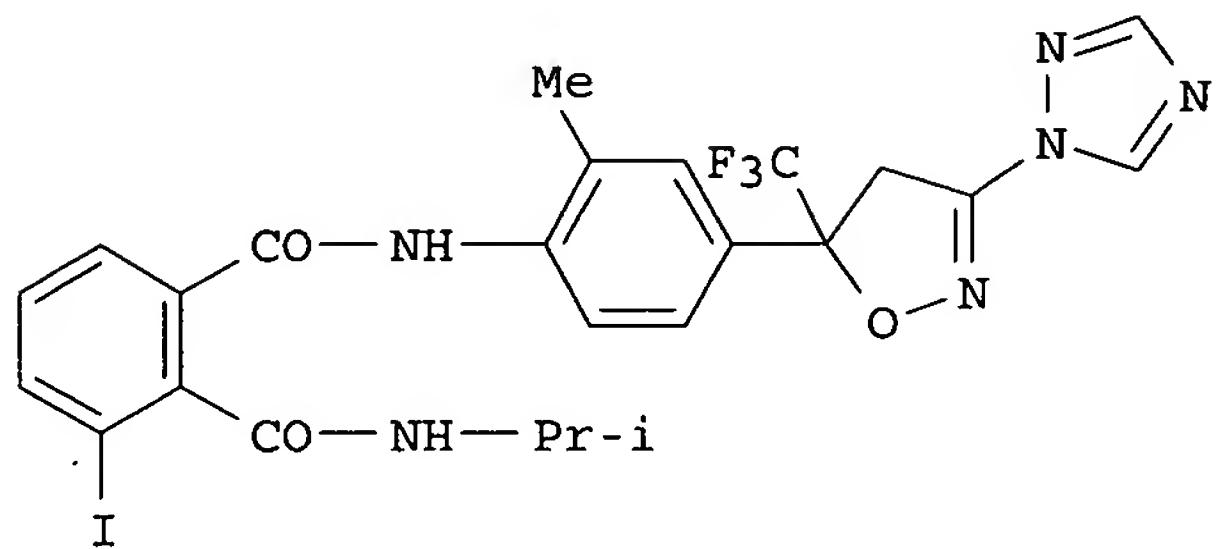
DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|--------|------------|--------------------------------|----------------------|
| JP 2005272443 | A2 | 20051006 | JP 2005-38603 JP 2004-46912 | 20050216 20040223 |
| PRIORITY APPLN. INFO.: | | | | |
| OTHER SOURCE(S) : | MARPAT | 143:361659 | | |
| GI | | | | |



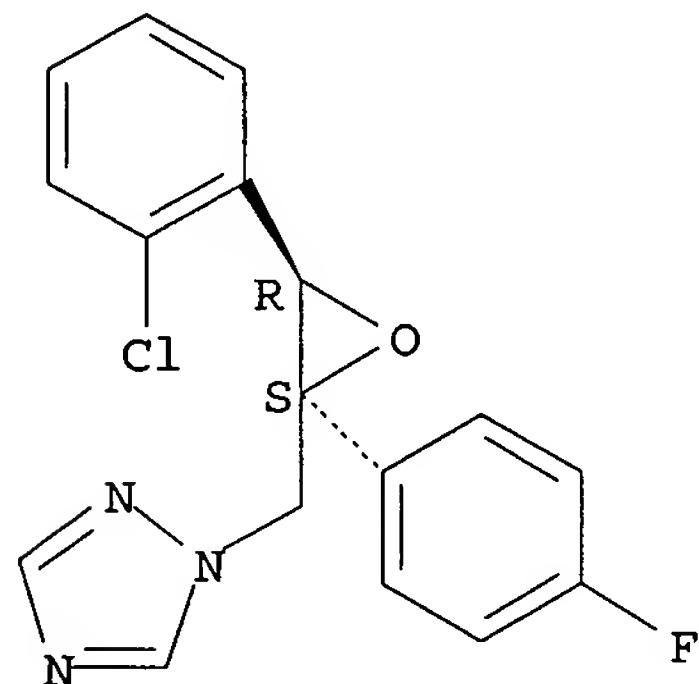
AB New insecticidal, acaricidal, nematocidal, fungicidal, or antibacterial compns. contain ≥ 1 benzanilide, or salt thereof, and ≥ 1 other component such as aldimorph or diflubenzuron. Thus, I + fenpropathrin synergistically controlled Carposina niponensis on apple.

IT 133855-98-8D, Epoxiconazole, mixts. with benzanilides
175013-18-0D, Pyraclostrobin, mixts. with benzanilides
220899-03-6D, Metrafenone, mixts. with benzanilides
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)
(synergistic insecticides, acaricides, nematocides, fungicides, and antibacterial agents containing benzanilide derivs.)

RN 133855-98-8 CAPLUS

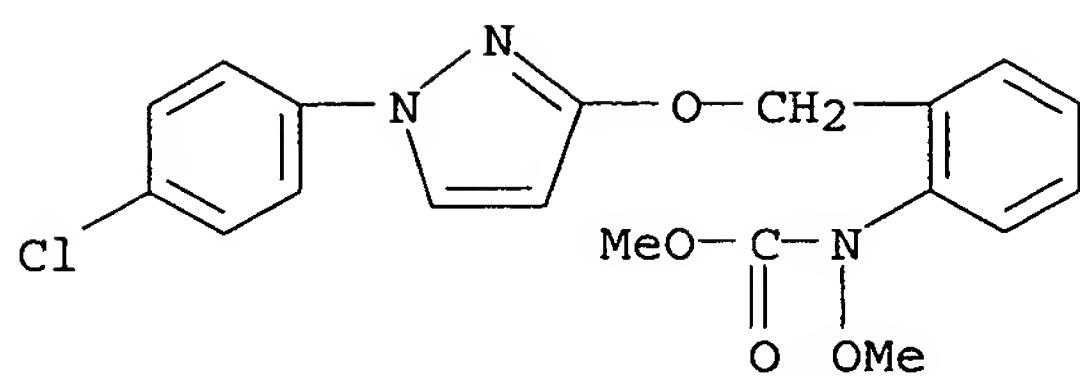
CN 1H-1,2,4-Triazole, 1-[[[2R,3S]-3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



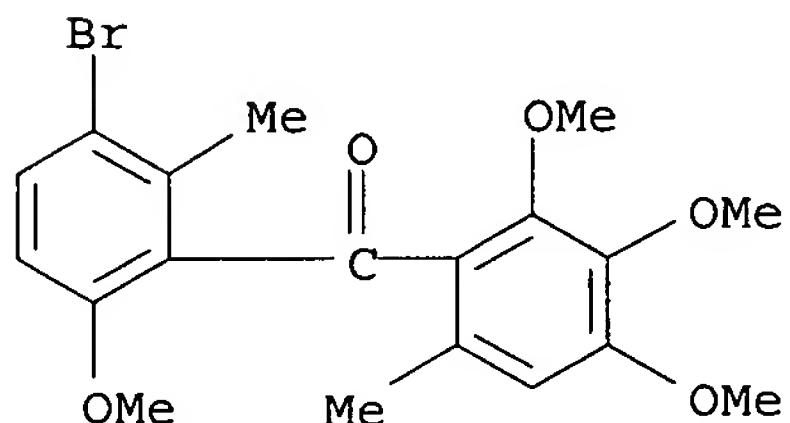
RN 175013-18-0 CAPLUS

CN Carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester (9CI) (CA INDEX NAME)



RN 220899-03-6 CAPLUS

CN Methanone, (3-bromo-6-methoxy-2-methylphenyl)(2,3,4-trimethoxy-6-methylphenyl)- (9CI) (CA INDEX NAME)



L36 ANSWER 8 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:471844 CAPLUS

DOCUMENT NUMBER: 143:28318

TITLE: Micronized wood preservative formulations

INVENTOR(S): Leach, Robert M.; Zhang, Jun

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 21 pp., Cont.-in-part of U.S. Ser. No. 821,326.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|-------------|
| US 2005118280 | A1 | 20050602 | US 2004-970446 | 20041021 |
| US 2004258767 | A1 | 20041223 | US 2004-821326 | 20040409 |
| WO 2006047126 | A2 | 20060504 | WO 2005-US37303 | 20051018 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| PRIORITY APPLN. INFO.: | | | US 2003-461547P | P 20030409 |
| | | | US 2003-518994P | P 20031111 |
| | | | US 2004-821326 | A2 20040409 |

US 2004-568485P P 20040506
 US 2004-970446 A 20041021

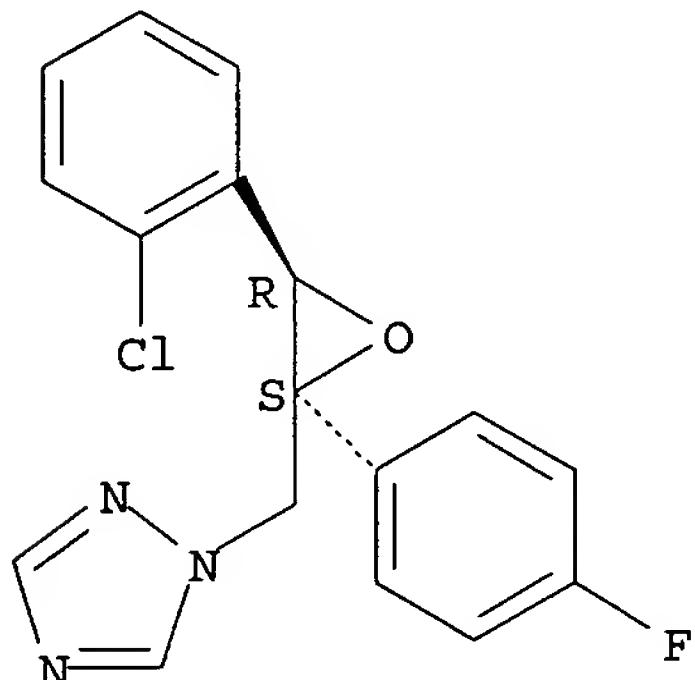
AB The wood preservative compns. comprising micronized particles. The composition comprises dispersions of micronized metal or metal compds. The wood preservative composition comprises an inorg. component comprising a metal or metal compound and organic biocide. When the composition comprises an inorg. component and an organic biocide, the inorg. component or the organic biocide or both are present as micronized particles. When used for preservation of wood, the micronized particles can be observed as uniformly distributed within the wood and there is minimal leaching of the metal and biocide from the wood.

IT 133855-98-8, Epoxiconazole 175013-18-0, Pyraclostrobin
 220899-03-6, Metrafenone
 RL: BUU (Biological use, unclassified); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
 (micronized wood preservative formulations comprising inorg. metal compds. and organic biocides)

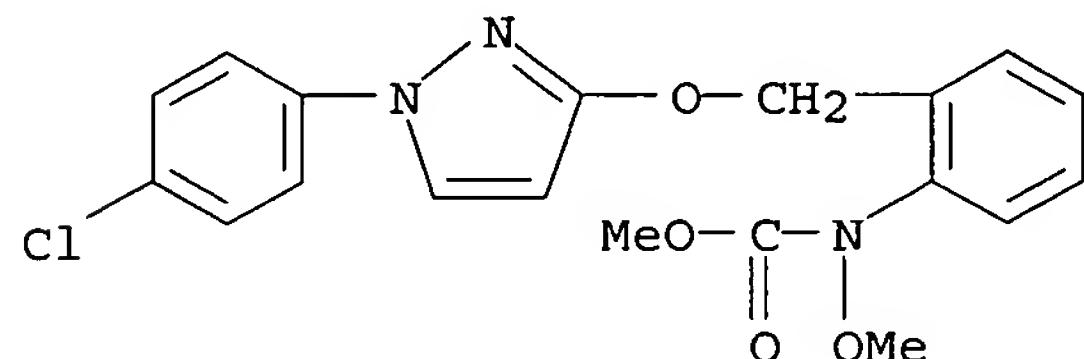
RN 133855-98-8 CAPLUS

CN 1H-1,2,4-Triazole, 1-[[[(2R,3S)-3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl]-, rel- (9CI) (CA INDEX NAME)

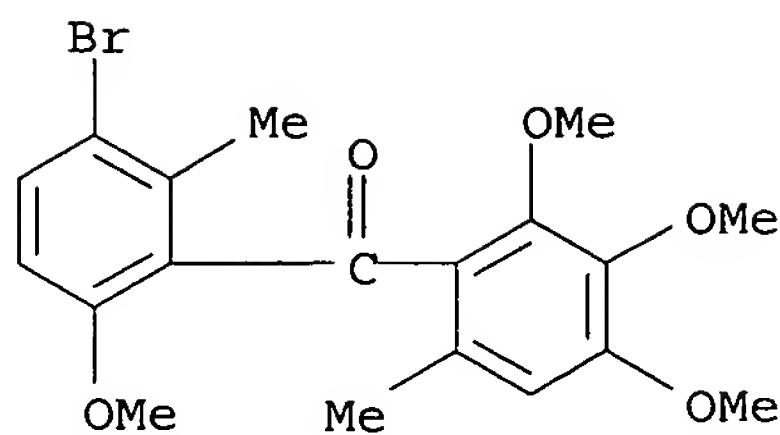
Relative stereochemistry.



RN 175013-18-0 CAPLUS
 CN Carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester (9CI) (CA INDEX NAME)

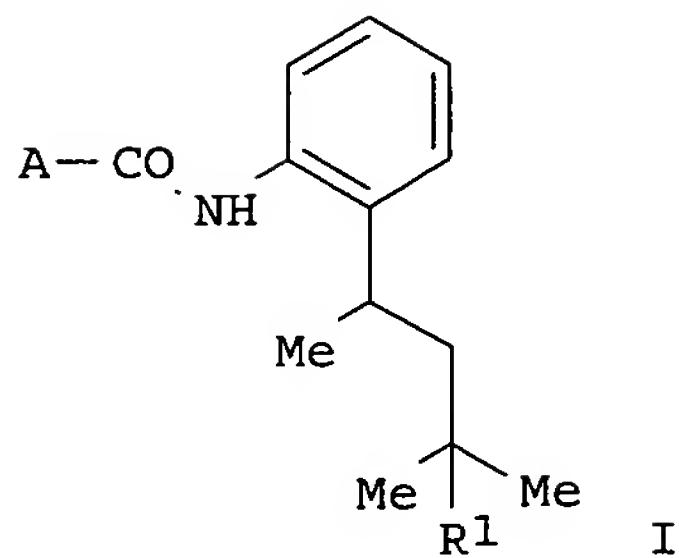


RN 220899-03-6 CAPLUS
 CN Methanone, (3-bromo-6-methoxy-2-methylphenyl)(2,3,4-trimethoxy-6-methylphenyl)- (9CI) (CA INDEX NAME)



L36 ANSWER 9 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2005:405320 CAPLUS
 DOCUMENT NUMBER: 142:425351
 TITLE: Synergistic fungicidal combinations comprising a carboxamide derivative
 INVENTOR(S): Wachendorff-Neumann, Ulrike; Dahmen, Peter; Dunkel, Ralf; Elbe, Hans-Ludwig; Rieck, Heiko; Suty-Heinze, Anne
 PATENT ASSIGNEE(S): Bayer Cropscience Aktiengesellschaft, Germany
 SOURCE: PCT Int. Appl., 126 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|-------------------|----------|------------------|------------|
| WO 2005041653 | A2 | 20050512 | WO 2004-EP11403 | 20041012 |
| WO 2005041653 | A3 | 20050728 | | |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| DE 10349501 | A1 | 20050525 | DE 2003-10349501 | 20031023 |
| PRIORITY APPLN. INFO.: | | | DE 2003-10349501 | A 20031023 |
| OTHER SOURCE(S): | MARPAT 142:425351 | | | |
| GI | | | | |



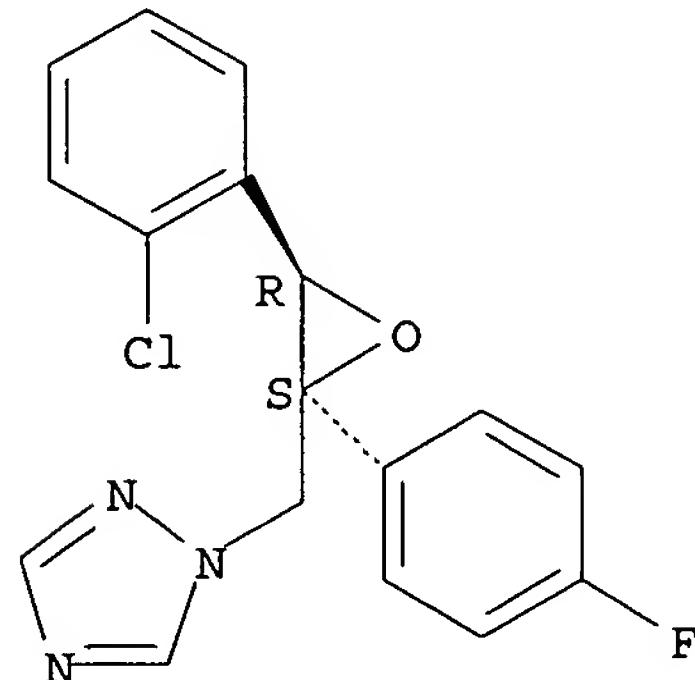
AB Synergistic fungicidal combinations comprise a carboxamide derivative I [R¹ = H, halo or (halo)alkyl; R¹ = (un)substituted Ph, furyl, pyridinyl, etc.] and any of a very large number of known fungicides.

IT 133855-98-8D, Epoxiconazole, mixture with carboxamide derivative
 175013-18-0D, Pyraclostrobin, mixture with carboxamide derivative
 220899-03-6D, Metrafenone, mixture with carboxamide derivative
 851018-55-8 851018-90-1 851018-91-2
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (synergistic fungicidal composition)

RN 133855-98-8 CAPLUS

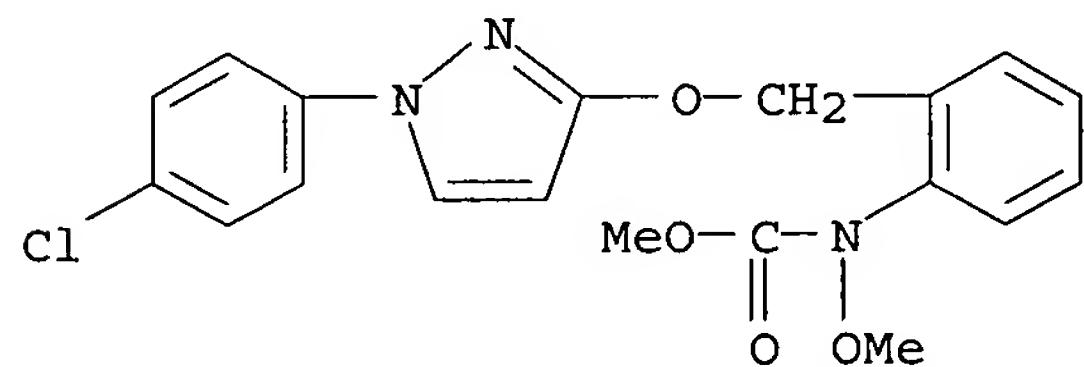
CN 1H-1,2,4-Triazole, 1-[(2R,3S)-3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



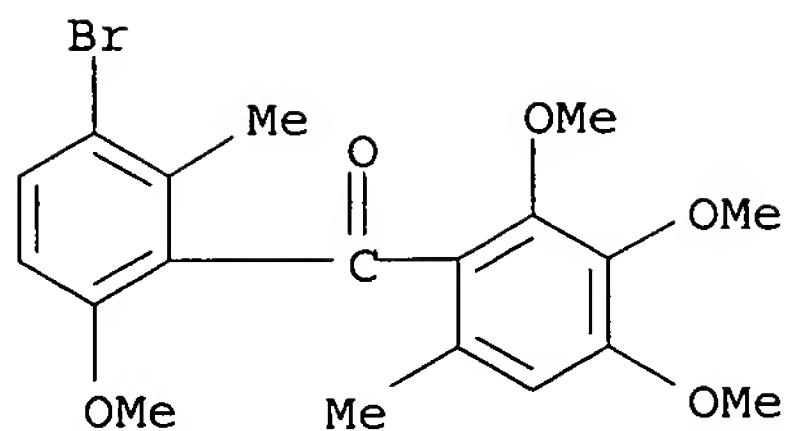
RN 175013-18-0 CAPLUS

CN Carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester (9CI) (CA INDEX NAME)



RN 220899-03-6 CAPLUS

CN Methanone, (3-bromo-6-methoxy-2-methylphenyl)(2,3,4-trimethoxy-6-methylphenyl)- (9CI) (CA INDEX NAME)



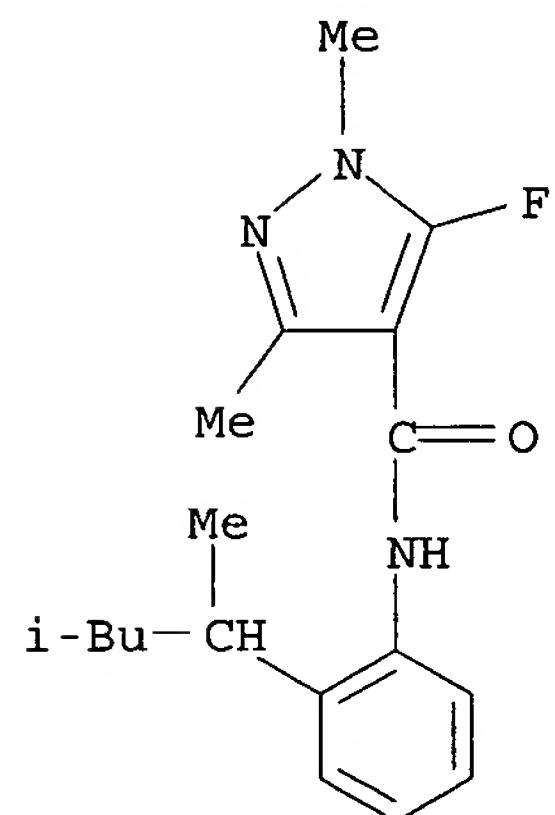
RN 851018-55-8 CAPLUS

CN 1H-Pyrazole-4-carboxamide, N-[2-(1,3-dimethylbutyl)phenyl]-5-fluoro-1,3-dimethyl-, mixt. with rel-1-[[2R,3S)-3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl]-1H-1,2,4-triazole (9CI) (CA INDEX NAME)

CM 1

CRN 494793-67-8

CMF C18 H24 F N3 O

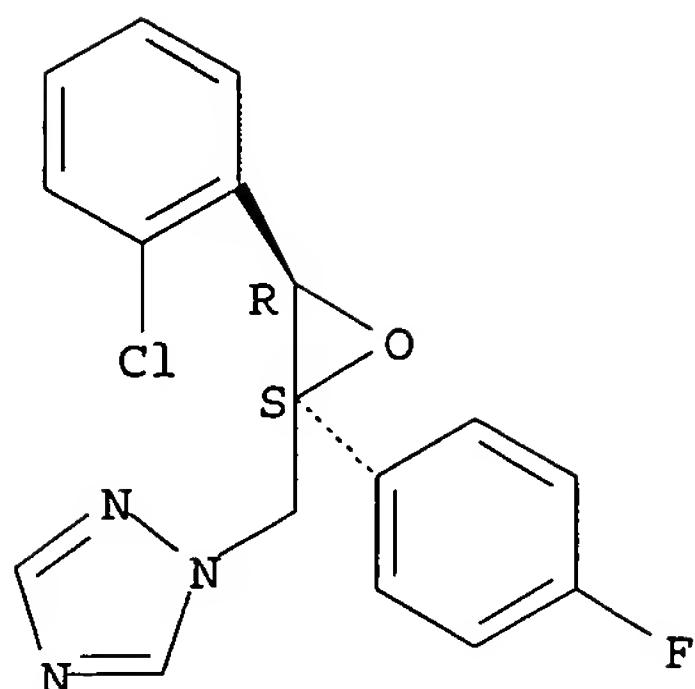


CM 2

CRN 133855-98-8

CMF C17 H13 Cl F N3 O

Relative stereochemistry.



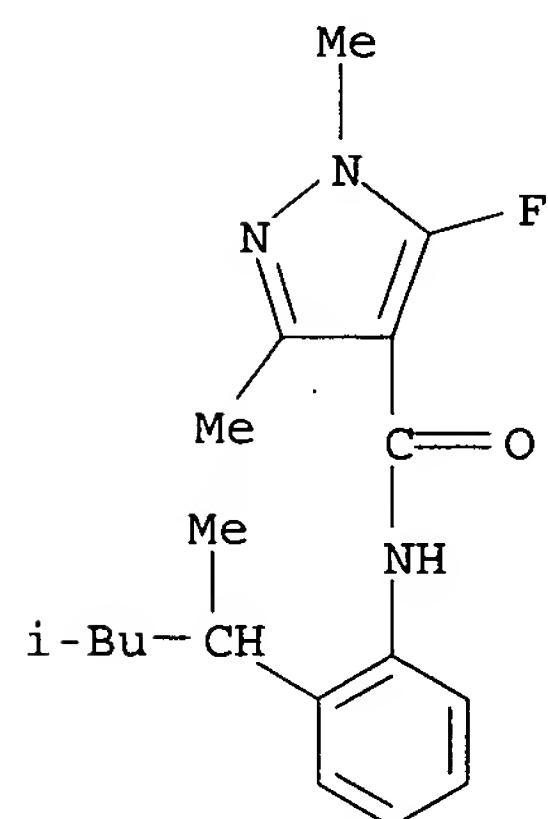
RN 851018-90-1 CAPLUS

CN Carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester, mixt. with N-[2-(1,3-dimethylbutyl)phenyl]-5-fluoro-1,3-dimethyl-1H-pyrazole-4-carboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 494793-67-8

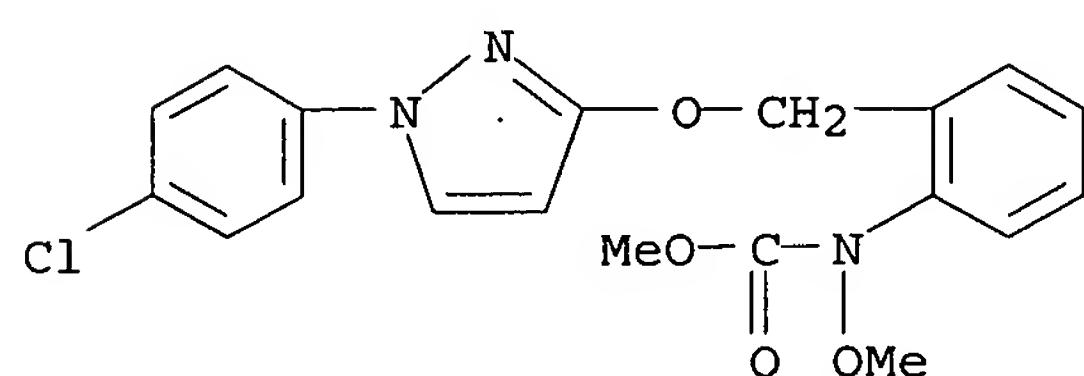
CMF C18 H24 F N3 O



CM 2

CRN 175013-18-0

CMF C19 H18 Cl N3 O4



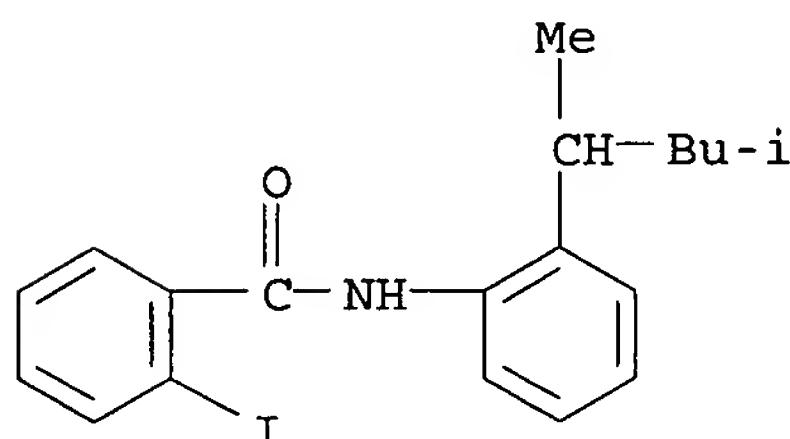
RN 851018-91-2 CAPLUS

CN Carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester, mixt. with N-[2-(1,3-dimethylbutyl)phenyl]-2-iodobenzamide (9CI) (CA INDEX NAME)

CM 1

CRN 640290-17-1

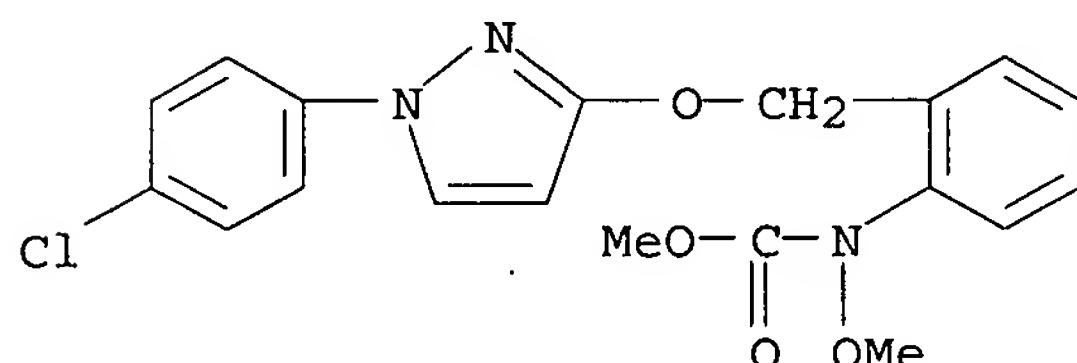
CMF C19 H22 I N O



CM 2

CRN 175013-18-0

CMF C19 H18 Cl N3 O4



L36 ANSWER 10 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:346774 CAPLUS

DOCUMENT NUMBER: 142:387616

TITLE: Synergistic fungicidal combinations comprising carboxamide derivatives

INVENTOR(S): Wachendorff-Neumann, Ulrike; Dahmen, Peter; Dunkel, Ralf; Elbe, Hans-Ludwig; Suty-Heinze, Anne; Rieck, Heiko

PATENT ASSIGNEE(S): Bayer Cropscience Aktiengesellschaft, Germany

SOURCE: PCT Int. Appl., 141 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|----------|
| WO 2005034628 | A1 | 20050421 | WO 2004-EP10830 | 20040928 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, | | | | |

GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
 LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
 NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
 TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
 AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
 EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
 SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
 SN, TD, TG

DE 10347090

A1 20050504

DE 2003-10347090

20031010

PRIORITY APPLN. INFO.:

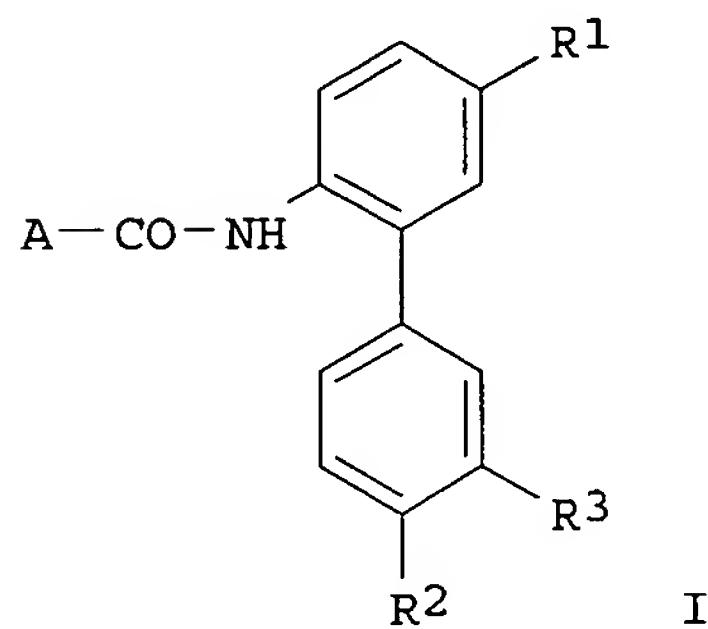
DE 2003-10347090

A 20031010

OTHER SOURCE(S):

MARPAT 142:387616

GI



AB Synergistic fungicidal mixts. comprise a carboxamide derivative I [R1= H or F; R2 = halo, (halo)alkyl or (halo)alkoxy; , R3 = H, halo or (halo)alkyl; A = (un)substituted Ph, imidazolyl, thiazolyl, etc.] and any of 22 groups of known fungicides.

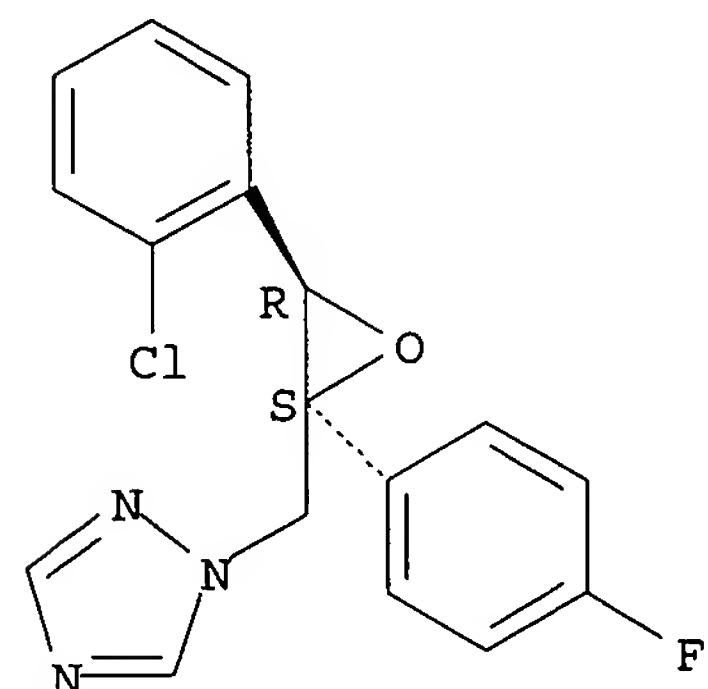
IT 133855-98-8D, Epoxiconazole, mixture with carboxamide derivative 175013-18-0D, Pyraclostrobin, mixture with carboxamide derivative 220899-03-6D, Metrafenone, mixture with carboxamide derivative 849674-26-6 849674-29-9

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (synergistic fungicidal combination)

RN 133855-98-8 CAPLUS

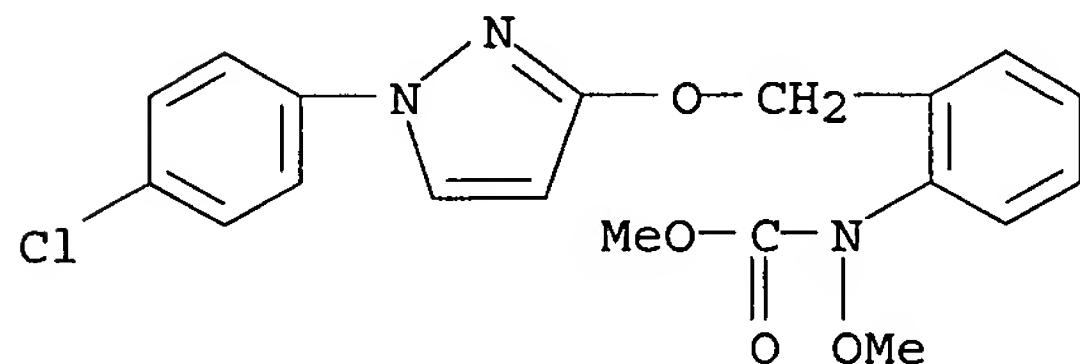
CN 1H-1,2,4-Triazole, 1-[[[(2R,3S)-3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



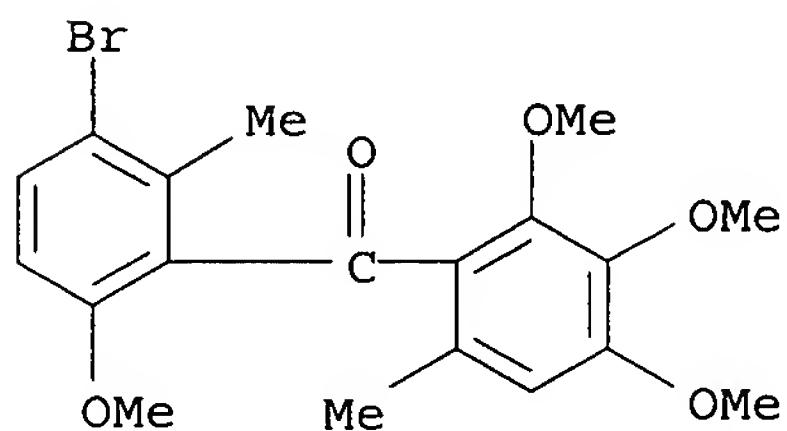
RN 175013-18-0 CAPLUS

CN Carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester (9CI) (CA INDEX NAME)



RN 220899-03-6 CAPLUS

CN Methanone, (3-bromo-6-methoxy-2-methylphenyl)(2,3,4-trimethoxy-6-methylphenyl)- (9CI) (CA INDEX NAME)



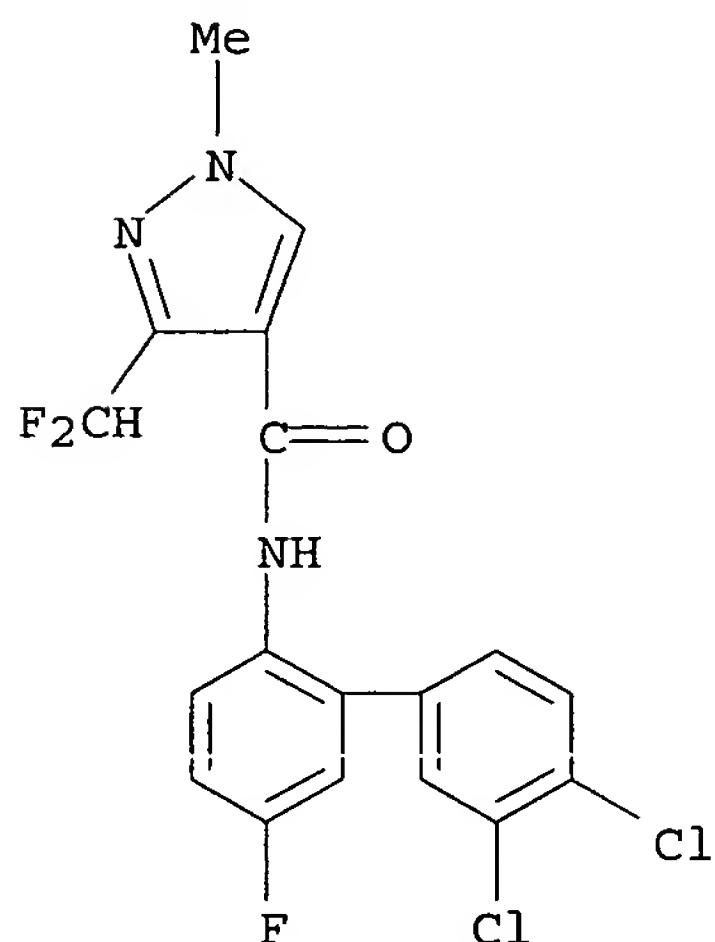
RN 849674-26-6 CAPLUS

CN Carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester, mixt. with N-(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-2-yl)-3-(difluoromethyl)-1-methyl-1H-pyrazole-4-carboxamide (9CI) (CA INDEX NAME)

CM 1

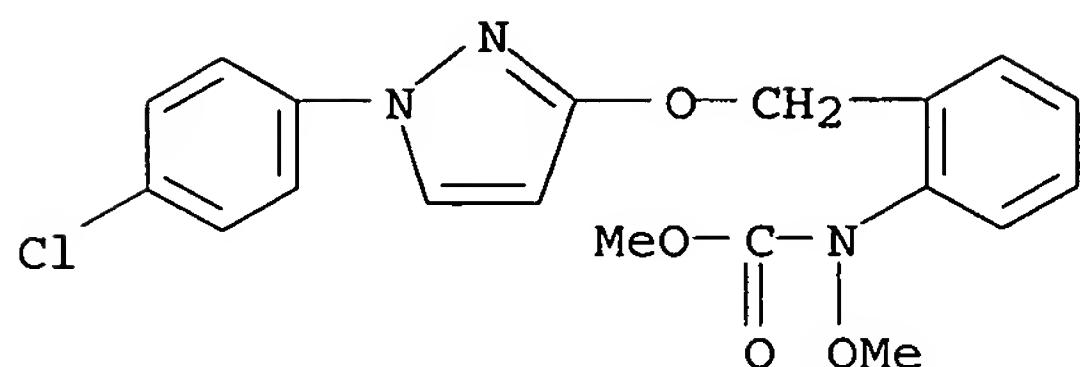
CRN 581809-46-3

CMF C18 H12 Cl2 F3 N3 O



CM 2

CRN 175013-18-0
CMF C19 H18 Cl N3 O4

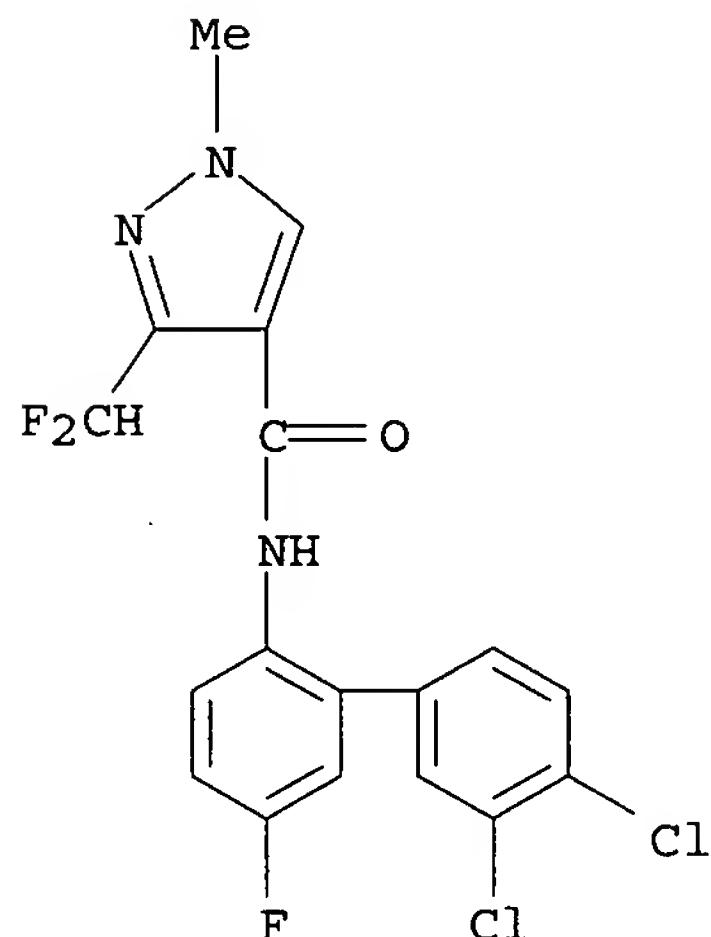


RN 849674-29-9 CAPLUS

CN 1H-Pyrazole-4-carboxamide, N-(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-2-yl)-3-(difluoromethyl)-1-methyl-, mixt. with rel-1-[(2R,3S)-3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl]-1H-1,2,4-triazole (9CI) (CA INDEX NAME)

CM 1

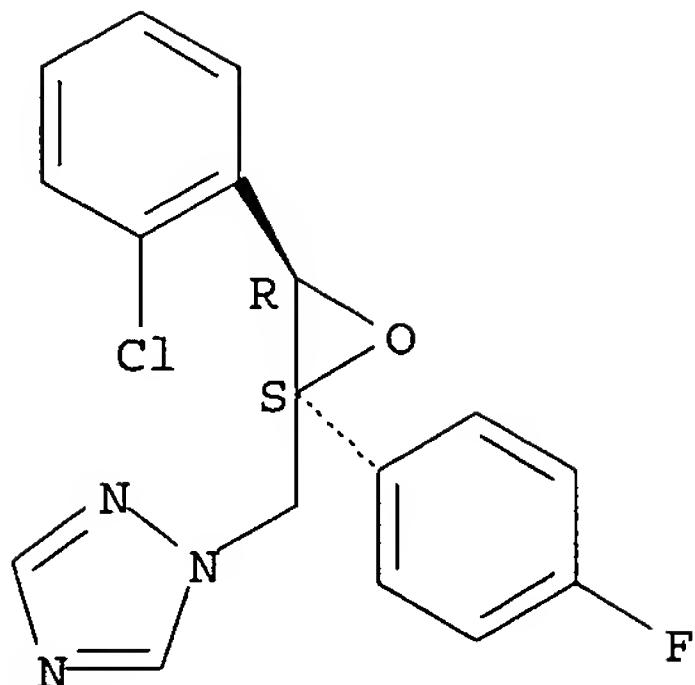
CRN 581809-46-3
CMF C18 H12 C12 F3 N3 O



CM 2

CRN 133855-98-8
CMF C17 H13 Cl F N3 O

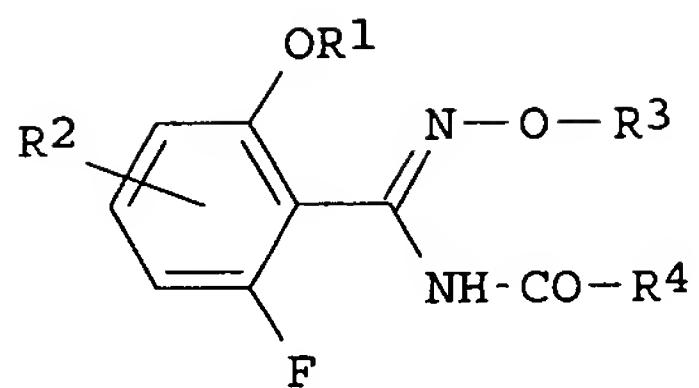
Relative stereochemistry.



REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 11 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2005:158472 CAPLUS
 DOCUMENT NUMBER: 142:213718
 TITLE: Use of alcohol alkylate adjuvants for benzamidoxime fungicidal derivatives
 INVENTOR(S): Berghaus, Rainer; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried
 PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
 SOURCE: PCT Int. Appl., 59 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|--------|------------|------------------|------------|
| WO 2005015998 | A1 | 20050224 | WO 2004-EP9122 | 20040813 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| AU 2004264676 | A1 | 20050224 | AU 2004-264676 | 20040813 |
| CA 2535176 | AA | 20050224 | CA 2004-2535176 | 20040813 |
| EP 1656019 | A1 | 20060517 | EP 2004-764116 | 20040813 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK | | | | |
| PRIORITY APPLN. INFO.: | | | DE 2003-10337560 | A 20030814 |
| | | | WO 2004-EP9122 | W 20040813 |
| OTHER SOURCE(S): | MARPAT | 142:213718 | | |
| GI | | | | |



AB The invention relates to the use of alkoxylated alc. adjuvants for the improving fungicidal effect of the benzamidoxime derivs. I [R1 = di- or trifluoromethyl; R2 = H or F; R3 = (un)substituted alkyl, alkenyl or alkynyl; R4 = (un)substituted phenylalkyl, thienylalkyl, etc.], such as N-phenylacetyl-2-difluoromethoxy-5,6-difluorobenzamide-(O-cyclopropylmethyl)oxime or N-phenylacetyl-2-trifluoromethoxy-5,6-difluorobenzamide-(O-cyclopropylmethyl)oxime. Optionally other fungicides, i.e. metrafenone, epoxiconazole and pyraclostrobin are included in the composition. The preferred alkoxylated alc. is a C10-oxoalc. obtained by hydration of hydroformylated propene, butene or hexene trimer.

IT 133855-98-8D, Epoxiconazole, mixts. with benzamidoxime derivs.

175013-18-0D, Pyraclostrobin, mixts. with benzamidoxime derivs.

195611-04-2 220899-03-6D, Metrafenone, mixts. with
benzamidoxime derivs. 221201-92-9 445249-42-3

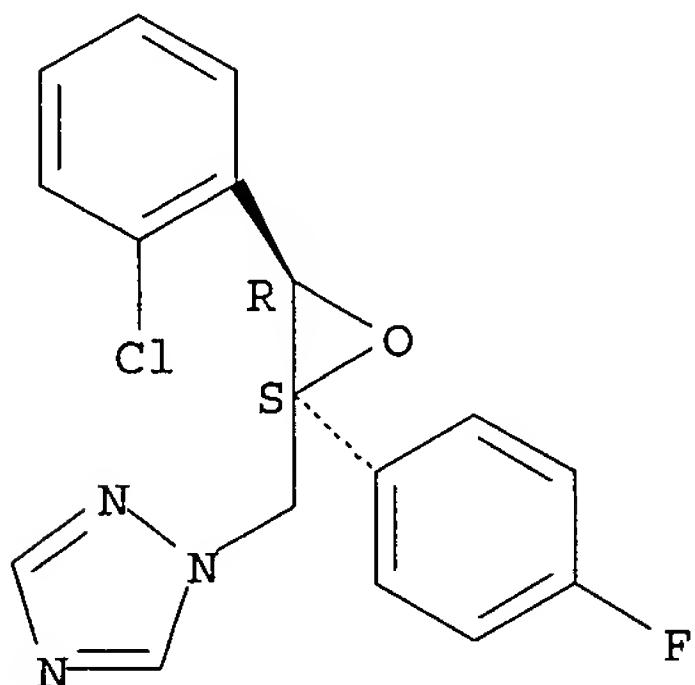
636603-37-7 841251-33-0

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(use of alc. alkylate adjuvants for benzamidoxime fungicidal derivs.)

RN 133855-98-8 CAPLUS

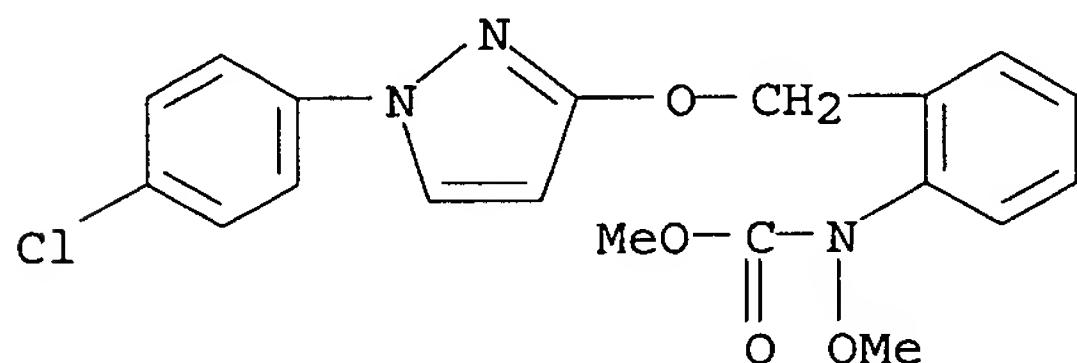
CN 1H-1,2,4-Triazole, 1-[(2R,3S)-3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



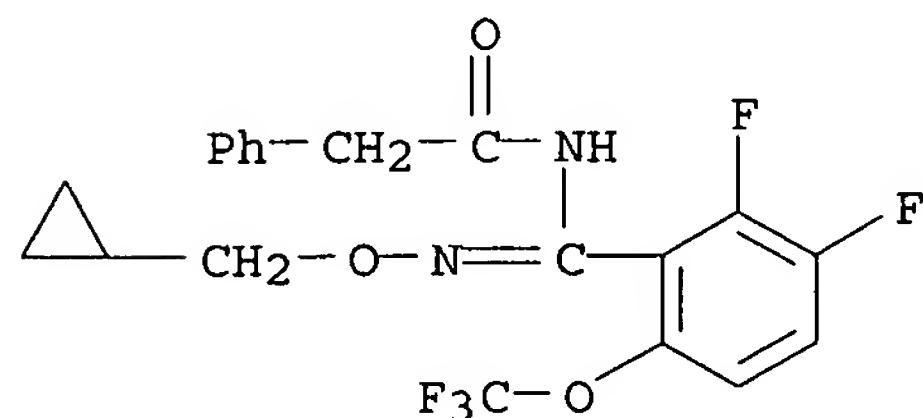
RN 175013-18-0 CAPLUS

CN Carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester (9CI) (CA INDEX NAME)



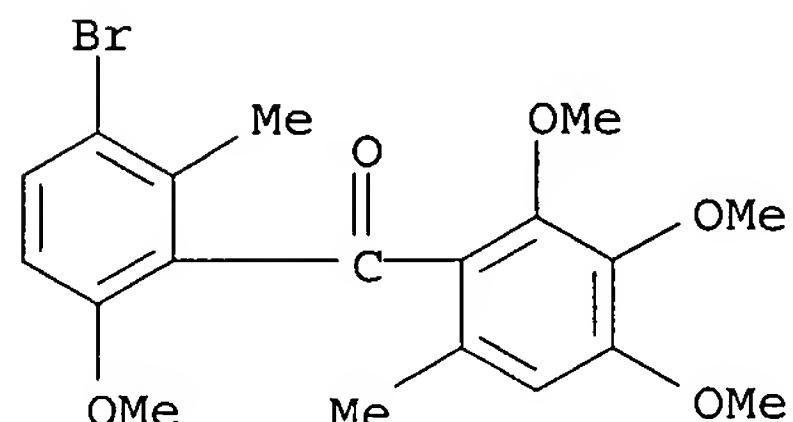
RN 195611-04-2 CAPLUS

CN Benzeneacetamide, N-[[(cyclopropylmethoxy) amino] [2,3-difluoro-6-(trifluoromethoxy)phenyl]methylene]- (9CI) (CA INDEX NAME)



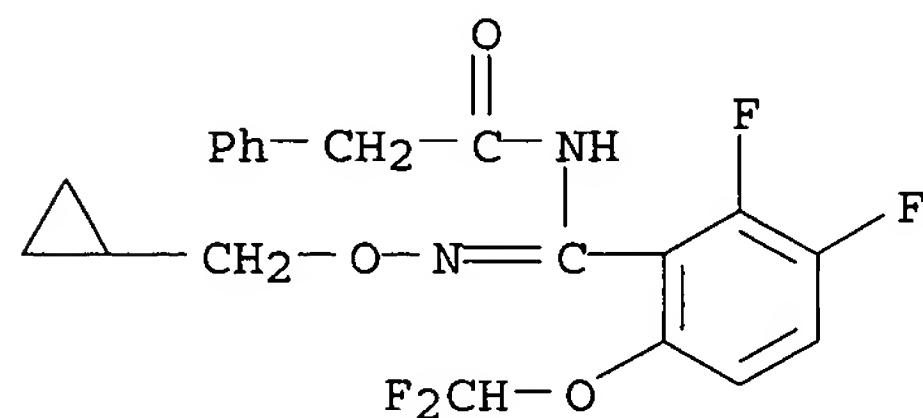
RN 220899-03-6 CAPLUS

CN Methanone, (3-bromo-6-methoxy-2-methylphenyl) (2,3,4-trimethoxy-6-methylphenyl)- (9CI) (CA INDEX NAME)



RN 221201-92-9 CAPLUS

CN Benzeneacetamide, N-[[(cyclopropylmethoxy) amino] [6-(difluoromethoxy)-2,3-difluorophenyl]methylene]- (9CI) (CA INDEX NAME)



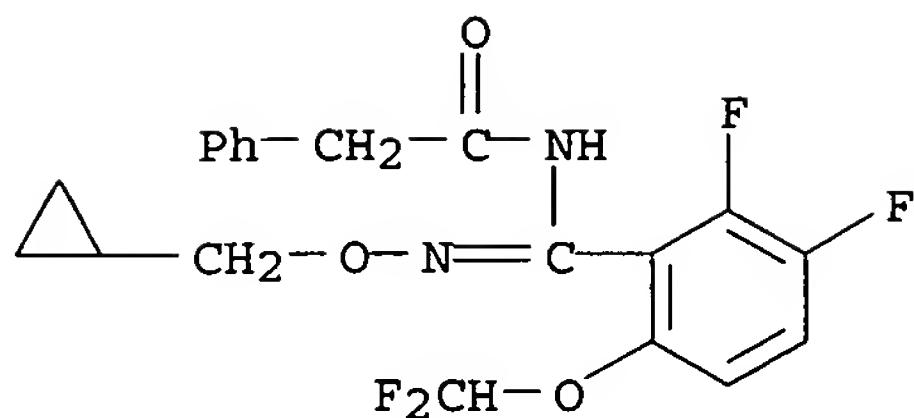
RN 445249-42-3 CAPLUS

CN Benzeneacetamide, N-[[(cyclopropylmethoxy) amino] [6-(difluoromethoxy)-2,3-difluorophenyl]methylene]-, mixt. with (3-bromo-6-methoxy-2-methylphenyl) (2,3,4-trimethoxy-6-methylphenyl)methanone (9CI) (CA INDEX NAME)

CM 1

CRN 221201-92-9

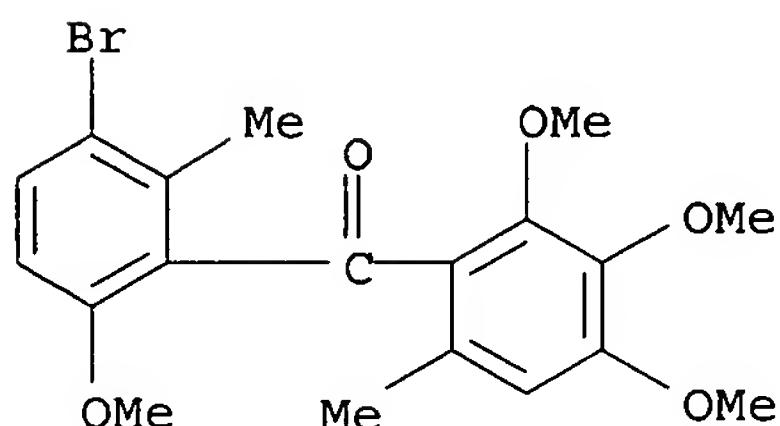
CMF C20 H18 F4 N2 O3



CM 2

CRN 220899-03-6

CMF C19 H21 Br 05



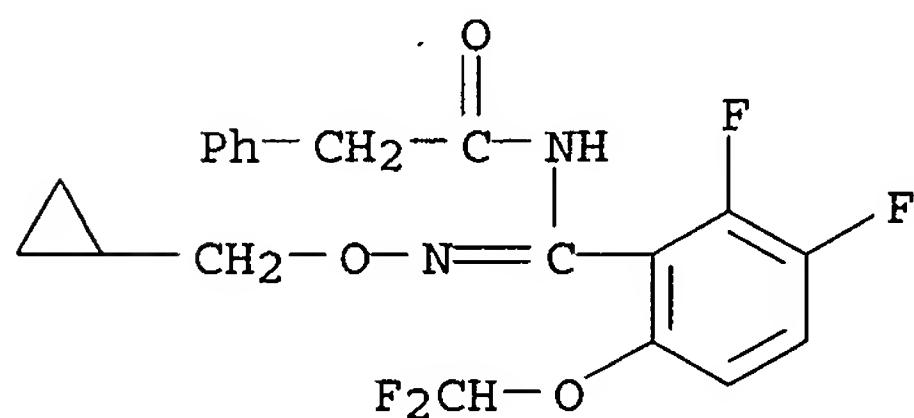
RN 636603-37-7 CAPLUS

CN Benzeneacetamide, N-[[cyclopropylmethoxy]amino] [6-(difluoromethoxy)-2,3-difluorophenyl]methylene] -, mixt. with (3-bromo-6-methoxy-2-methylphenyl) (2,3,4-trimethoxy-6-methylphenyl) methanone and rel-1-[(2R,3S)-3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl]-1H-1,2,4-triazole (9CI) (CA INDEX NAME)

CM 1

CRN 221201-92-9

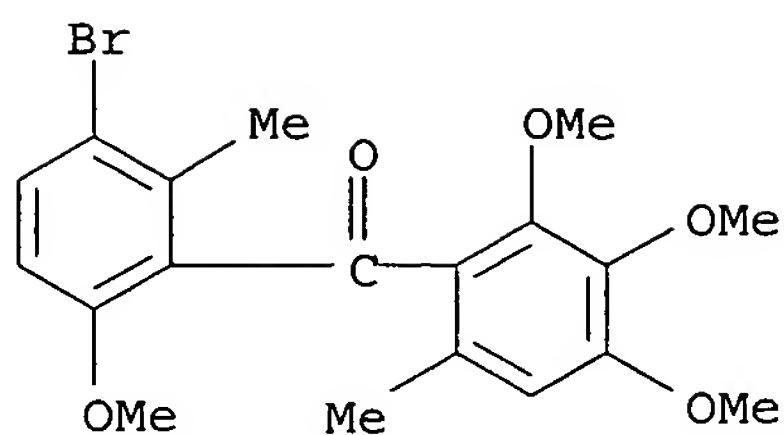
CMF C20 H18 F4 N2 O3



CM 2

CRN 220899-03-6

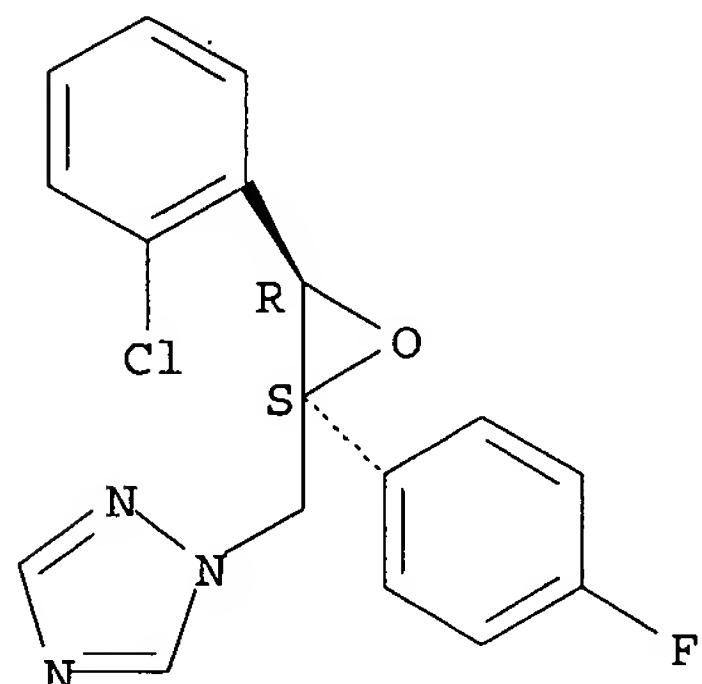
CMF C19 H21 Br 05



CM 3

CRN 133855-98-8
CMF C17 H13 Cl F N3 O

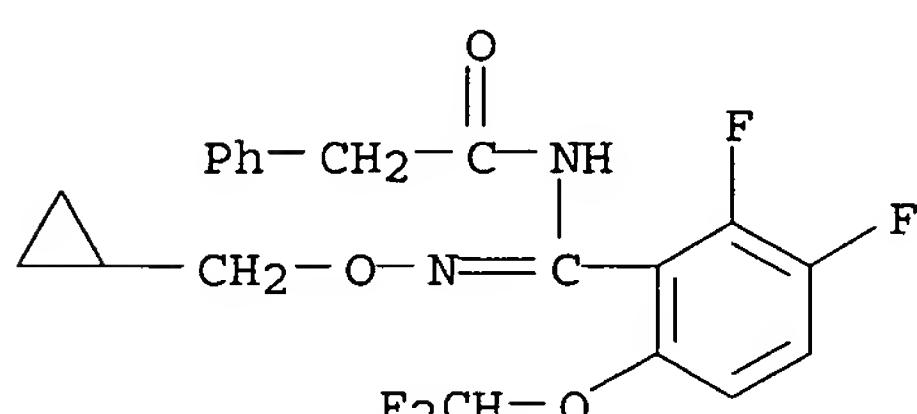
Relative stereochemistry.



RN 841251-33-0 CAPLUS
CN Carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester, mixt. with (3-bromo-6-methoxy-2-methylphenyl)(2,3,4-trimethoxy-6-methylphenyl)methanone, rel-1-[[[(2R,3S)-3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl]-1H-1,2,4-triazole and N-[(cyclopropylmethoxy)amino][6-(difluoromethoxy)-2,3-difluorophenyl]methylene]benzeneacetamide (9CI) (CA INDEX NAME)

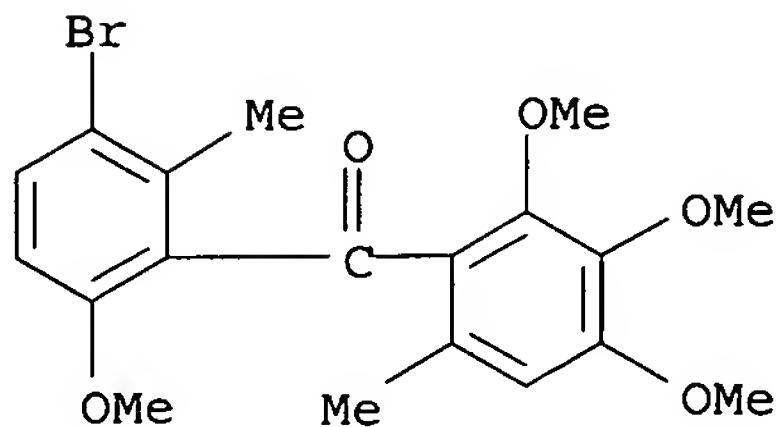
CM 1

CRN 221201-92-9
CMF C20 H18 F4 N2 O3



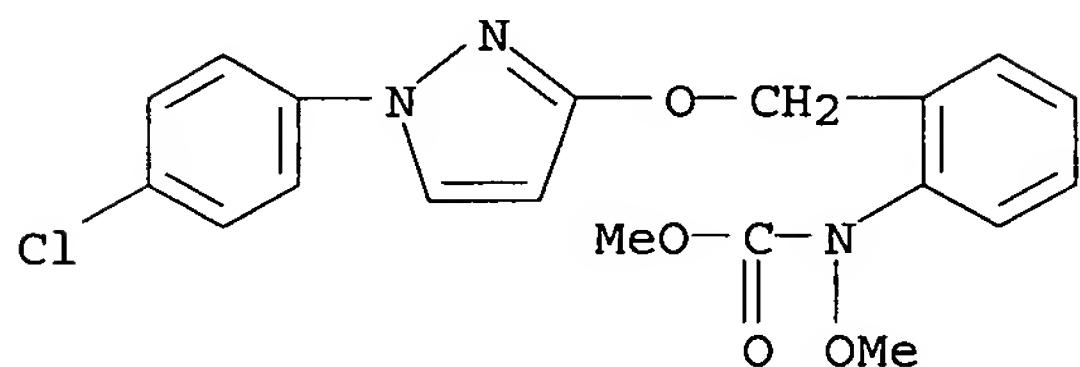
CM 2

CRN 220899-03-6
CMF C19 H21 Br O5



CM 3

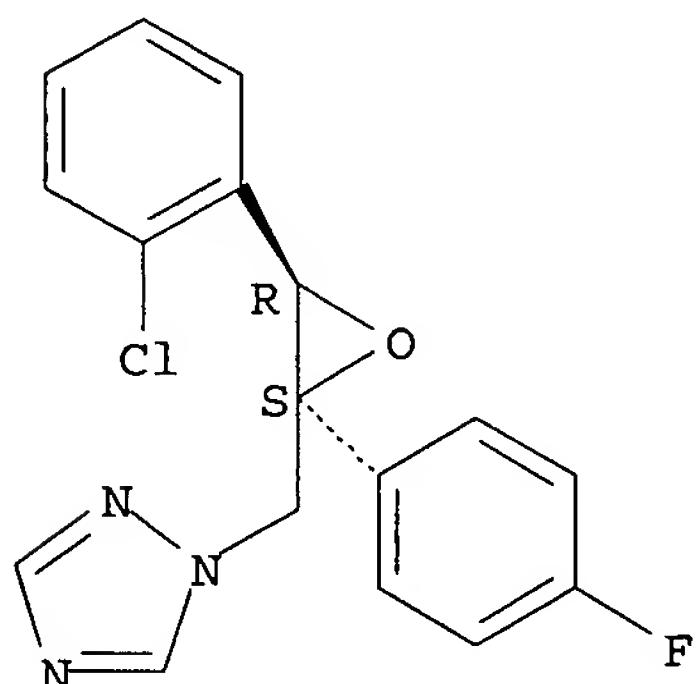
CRN 175013-18-0
CMF C19 H18 Cl N3 O4



CM 4

CRN 133855-98-8
CMF C17 H13 Cl F N3 O

Relative stereochemistry.

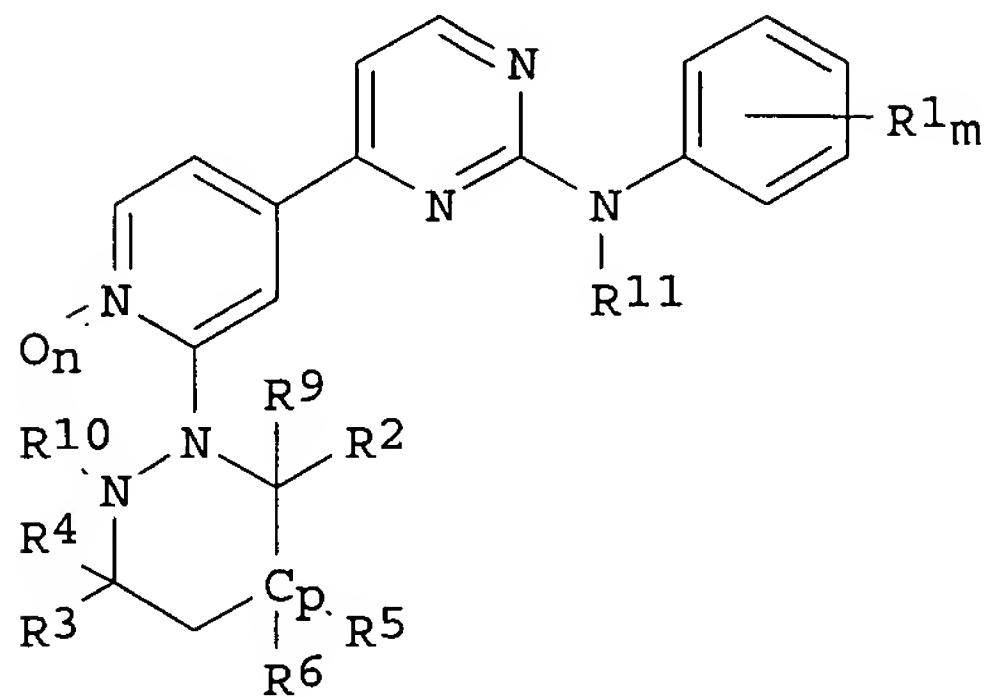


REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

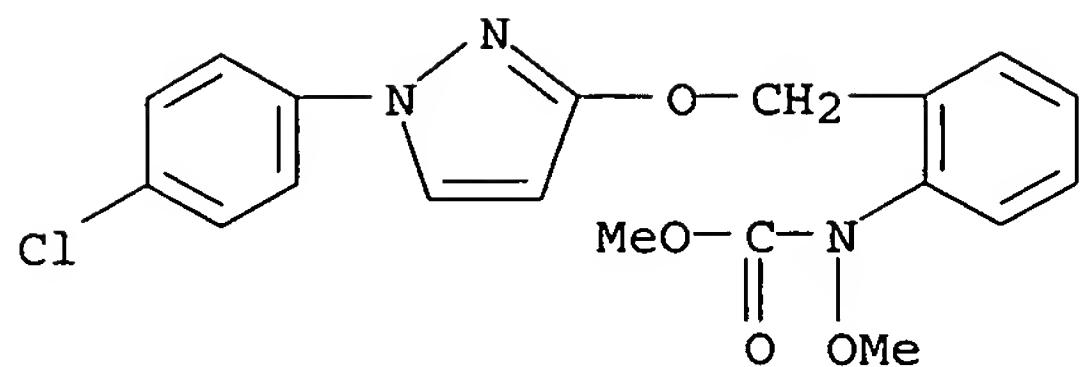
L36 ANSWER 12 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:796496 CAPLUS
DOCUMENT NUMBER: 141:290547

TITLE: Fungicidal compositions comprising
 N-phenyl-N-[4-(4-pyridyl)-2-pyrimidin-2-yl]amine
 derivatives
 INVENTOR(S): Ackerman, Peter; Stierli, Daniel; Jung, Pierre Marcel
 Joseph; Maienfisch, Peter; Cederbaum, Fredrik Emil
 Malcolm; Wenger, Jean-Frederic
 PATENT ASSIGNEE(S): Syngenta Participations AG, Switz.
 SOURCE: Brit. UK Pat. Appl., 112 pp.
 CODEN: BAXXDU
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|-------------------|----------|-----------------|------------|
| ----- | ----- | ----- | ----- | ----- |
| GB 2399754 | A1 | 20040929 | GB 2004-3967 | 20040223 |
| PRIORITY APPLN. INFO.: | | | GB 2003-7269 | A 20030328 |
| OTHER SOURCE(S): | MARPAT 141:290547 | | | |
| GI | | | | |

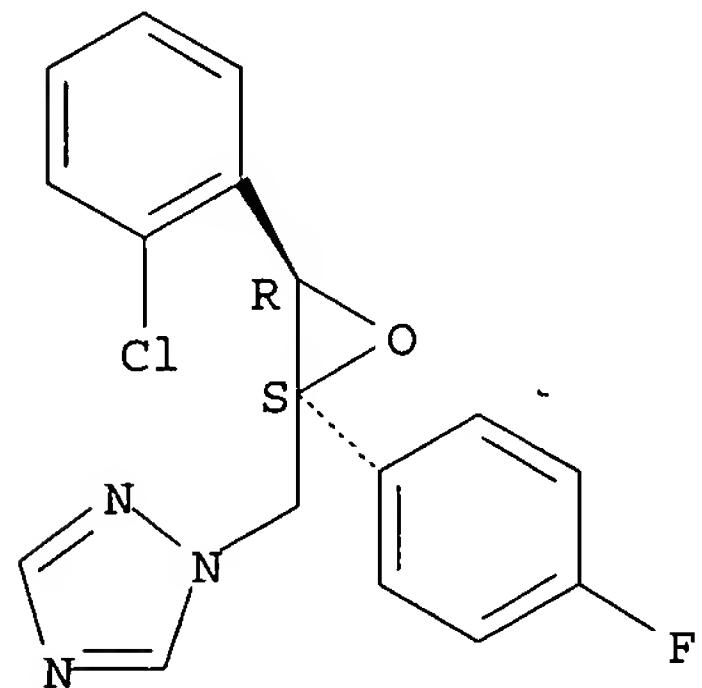


AB Compns. for protecting plants, especially fungicidal compns., comprise N-phenyl-N-[4-(4-pyridyl)-2-pyrimidin-2-yl]amine derivs. (I, R1 = halo or (un)substituted alkyl, alkoxy, alkenyloxy, alkynyloxy, thioalkyl, aryl, etc.; R2-R9 = H, (un)substituted alkyl, aryl, etc.; R10 = H, (un)substituted alkyl, alkenyl, etc.; R11 = H, C1-4 alkyl, C3-4 alkenyl, etc.; m = 0, 1, 2, or 3; n, p = 0 or 1; q = 1 or 2) or a salt thereof, together with a suitable carrier and optionally addnl. active compds. Thus, spraying 1-wk-old wheat plants 0.02% I (in a test with 7 such compds.) resulted in >70% control of fungal infection assessed 10 days after inoculation with *Puccinia graminis*.
 IT 175013-18-0D, Pyraclostrobin, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs.
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)
 (BAS 500F; fungicides for plant protection)
 RN 175013-18-0 CAPLUS
 CN Carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester (9CI) (CA INDEX NAME)

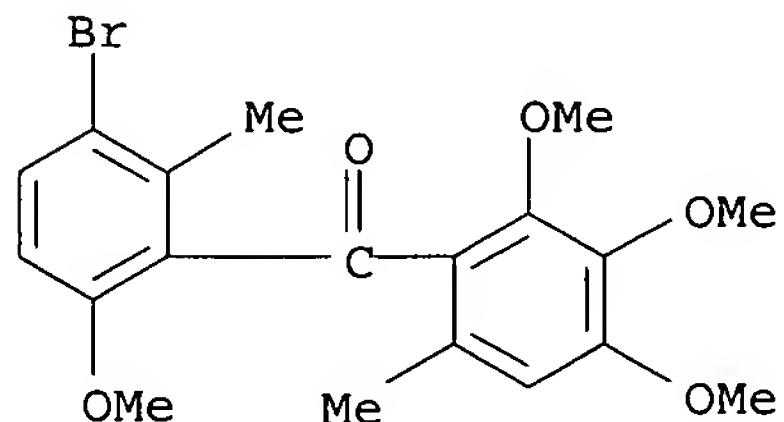


IT 133855-98-8D, Epoxiconazole, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs. 220899-03-6D, Metrafenone, mixts. with phenyl[(pyridyl)pyrimidinyl]amine derivs.
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)
 (fungicides for plant protection)
 RN 133855-98-8 CAPLUS
 CN 1H-1,2,4-Triazole, 1-[[2R,3S]-3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 220899-03-6 CAPLUS
 CN Methanone, (3-bromo-6-methoxy-2-methylphenyl)(2,3,4-trimethoxy-6-methylphenyl)- (9CI) (CA INDEX NAME)



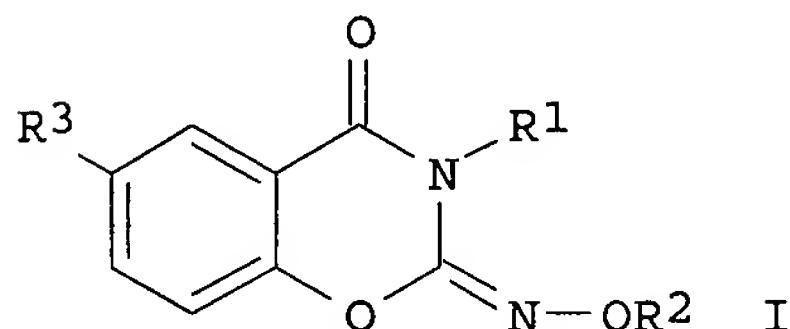
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 13 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2004:387216 CAPLUS
 DOCUMENT NUMBER: 140:370223
 TITLE: Synergistic fungicide mixtures containing an oxazinone derivative
 INVENTOR(S): Rheinheimer, Joachim; Grote, Thomas; Ammermann,

Eberhard; Stierl, Reinhard; Strathmann, Siegfried;
 Schoefl, Ulrich
 PATENT ASSIGNEE(S) : BASF Aktiengesellschaft, Germany
 SOURCE : PCT Int. Appl., 26 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE : Patent
 LANGUAGE : German
 FAMILY ACC. NUM. COUNT : 1
 PATENT INFORMATION :

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|------------------|------------|
| WO 2004039157 | A1 | 20040513 | WO 2003-EP11226 | 20031010 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| AU 2003278066 | A1 | 20040525 | AU 2003-278066 | 20031010 |
| PRIORITY APPLN. INFO.: | | | DE 2002-10250278 | A 20021028 |
| | | | WO 2003-EP11226 | W 20031010 |

OTHER SOURCE(S) : MARPAT 140:370223
 GI



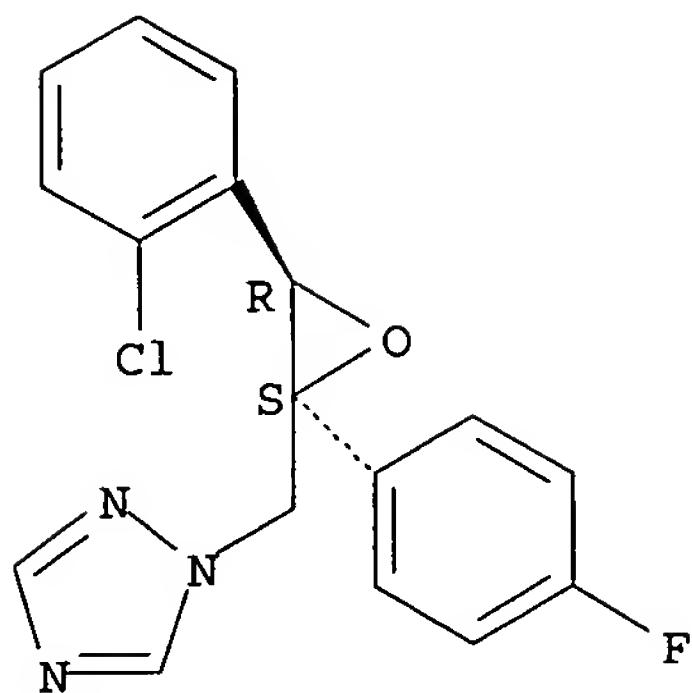
AB The invention relates to synergistic fungicide mixts. containing an oxazine I (R1 = Pr or Bu; R2 = Me, Et or Pr; R3 = F, Cl, Br or I) and at least one known fungicide.

IT 133855-98-8D, Epoxiconazole, mixts. with oxazinone derivs.
 175013-18-0D, Pyraclostrobin, mixts. with oxazinone derivs.
 220899-03-6D, mixts. with oxazinone derivs. 221201-92-9D
 , mixts. with oxazinone derivs.
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (synergistic fungicides)

RN 133855-98-8 CAPLUS

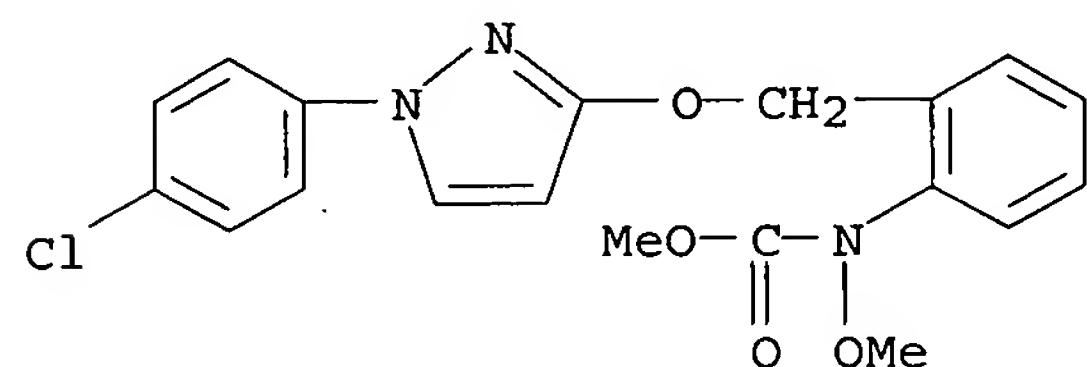
CN 1H-1,2,4-Triazole, 1-[[(2R,3S)-3- (2-chlorophenyl)-2- (4-fluorophenyl)oxiranyl]methyl] -, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



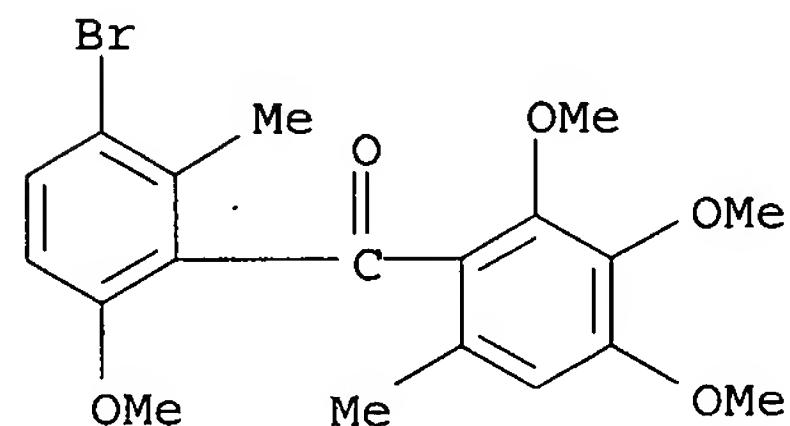
RN 175013-18-0 CAPLUS

CN Carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester (9CI) (CA INDEX NAME)



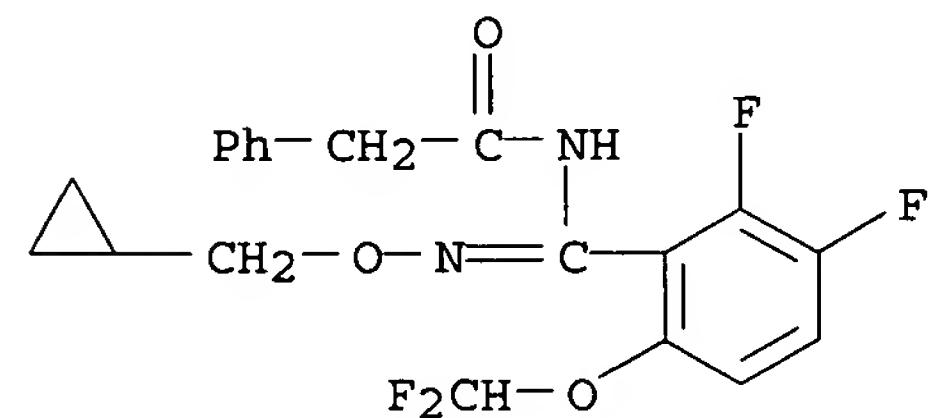
RN 220899-03-6 CAPLUS

CN Methanone, (3-bromo-6-methoxy-2-methylphenyl)(2,3,4-trimethoxy-6-methylphenyl)- (9CI) (CA INDEX NAME)



RN 221201-92-9 CAPLUS

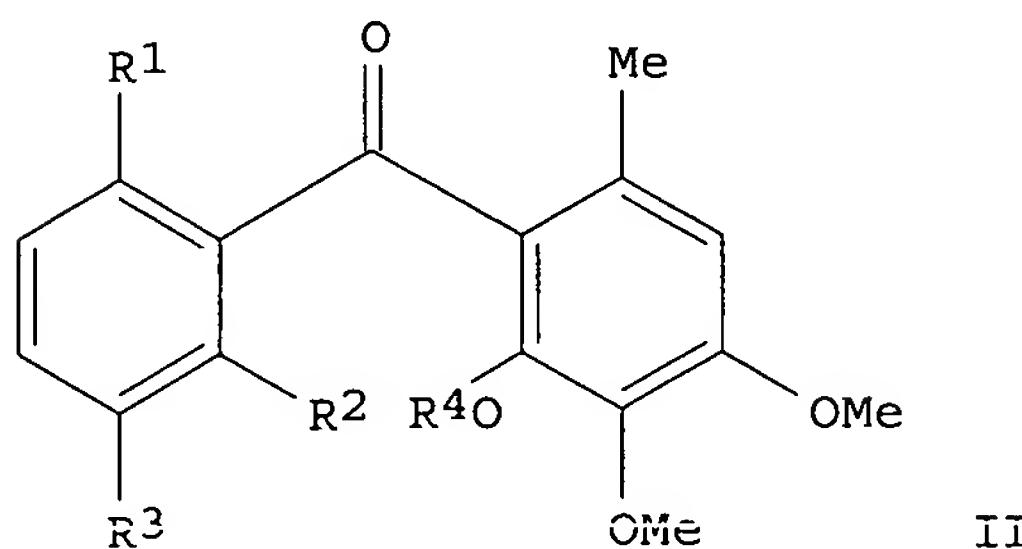
CN Benzeneacetamide, N-[(cyclopropylmethoxy)amino][6-(difluoromethoxy)-2,3-difluorophenyl]methylene- (9CI) (CA INDEX NAME)



L36 ANSWER 14 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2004:2594 CAPLUS
 DOCUMENT NUMBER: 140:37411
 TITLE: Synergistic fungicidal mixtures based on benzamidoxime derivatives, benzophenones, and an azole
 INVENTOR(S): Ammermann, Eberhard; Stierl, Reinhard; Schoefl, Ulrich; Strathmann, Siegfried; Schelberger, Klaus; Scherer, Maria; Haden, Egon
 PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany
 SOURCE: PCT Int. Appl., 33 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|------------------|------------|
| WO 2004000019 | A1 | 20031231 | WO 2003-EP5949 | 20030606 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| CA 2489290 | AA | 20031231 | CA 2003-2489290 | 20030606 |
| AU 2003246401 | A1 | 20040106 | AU 2003-246401 | 20030606 |
| BR 2003011488 | A | 20050315 | BR 2003-11488 | 20030606 |
| EP 1517608 | A1 | 20050330 | EP 2003-760592 | 20030606 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | | |
| JP 2005529962 | T2 | 20051006 | JP 2004-514667 | 20030606 |
| US 2005203188 | A1 | 20050915 | US 2004-516674 | 20041206 |
| PRIORITY APPLN. INFO.: | | | DE 2002-10227656 | A 20020620 |
| | | | WO 2003-EP5949 | W 20030606 |

OTHER SOURCE(S): MARPAT 140:37411
 GI



AB Fungicidal mixts. contain synergistically effective amts. of the following

active constituents: (1) N-[(cyclopropylmethoxy)amino] [6-(difluoromethoxy)-2,3-difluorophenyl]methylene]benzeneacetamide (I) or a derivative wherein the benzeneacetamide moiety may have 1-3 substituents on the Ph ring chosen from among halo, C1-C4 alkyl, C1-C4 alkyl halide, or C1-C4 (halo)alkoxy; (2) a benzophenone (II), in which R1 = Cl, Me, MeO, AcO, pivaloyloxy, or OH; R2 = Cl or Me; R3 = H, halo, or Me; and R4 = C1-C6 alkyl or benzyl, whereby the Ph portion of the benzyl radical can be substituted by halo or Me; (3) epoxiconazole and, optionally; (4) pyraclostrobin. Thus, I + metrafenone + epoxiconazole at 0.25 + 0.25 + 1 ppm (1:1:4 mixture) synergistically controlled wheat powdery mildew caused by *Erysiphe graminis tritici*.

IT 636603-37-7 636603-38-8

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)
(as synergistic fungicide)

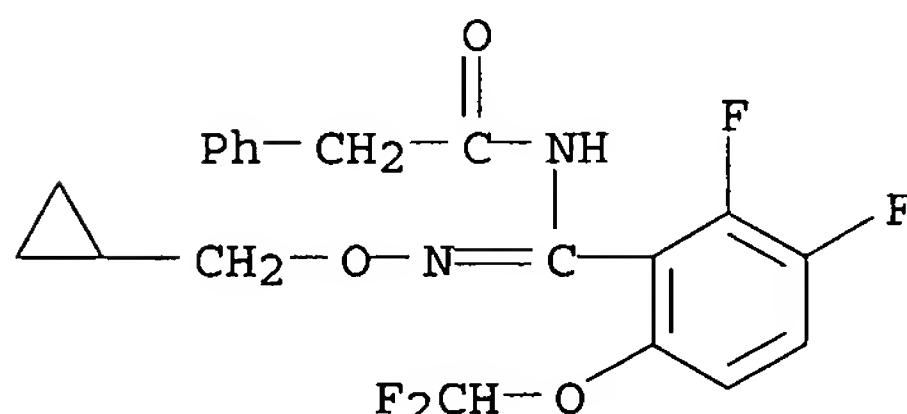
RN 636603-37-7 CAPLUS

CN Benzeneacetamide, N-[(cyclopropylmethoxy)amino] [6-(difluoromethoxy)-2,3-difluorophenyl]methylene] -, mixt. with (3-bromo-6-methoxy-2-methylphenyl) (2,3,4-trimethoxy-6-methylphenyl) methanone and rel-1-[(2R,3S)-3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl]-1H-1,2,4-triazole (9CI) (CA INDEX NAME)

CM 1

CRN 221201-92-9

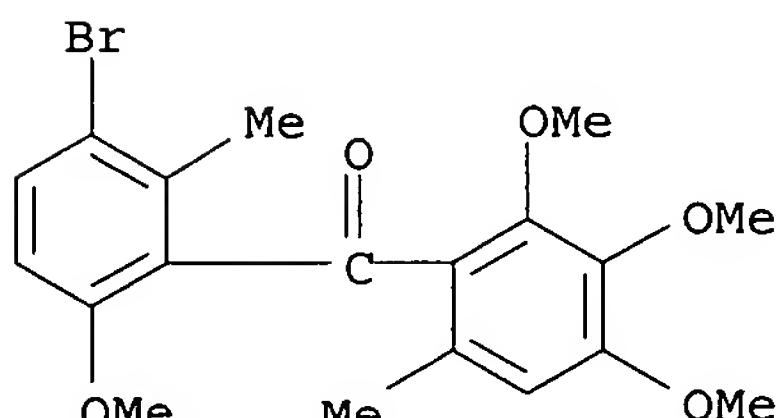
CMF C20 H18 F4 N2 O3



CM 2

CRN 220899-03-6

CMF C19 H21 Br O5

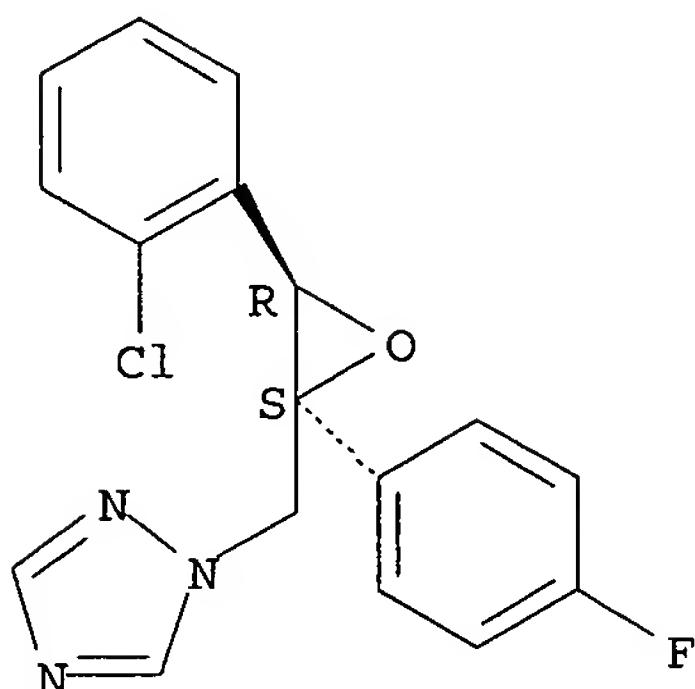


CM 3

CRN 133855-98-8

CMF C17 H13 Cl F N3 O

Relative stereochemistry.



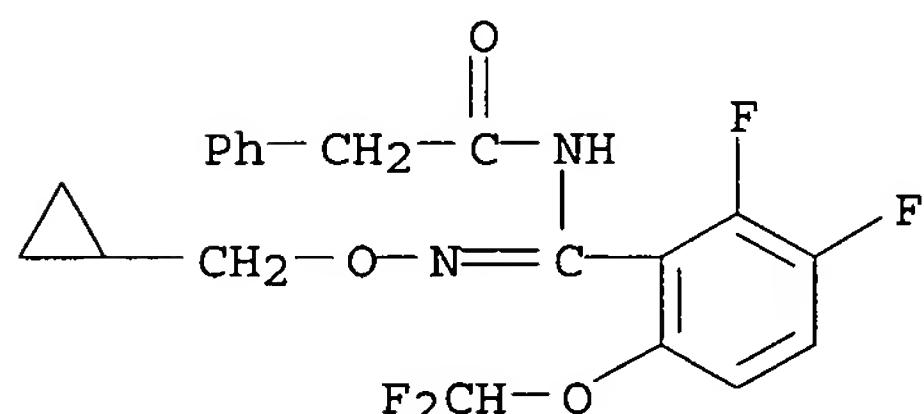
RN 636603-38-8 CAPLUS

CN Carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester, mixt. with (3-bromo-6-methoxy-2-methylphenyl)(2,3,4-trimethoxy-6-methylphenyl) methanone and N-[[cyclopropylmethoxy]amino] [6-(difluoromethoxy)-2,3-difluorophenyl]methylene]benzeneacetamide (9CI) (CA INDEX NAME)

CM 1

CRN 221201-92-9

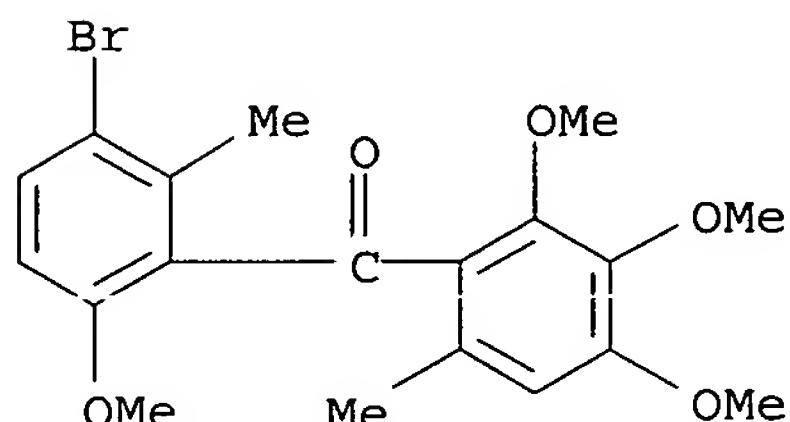
CMF C20 H18 F4 N2 O3



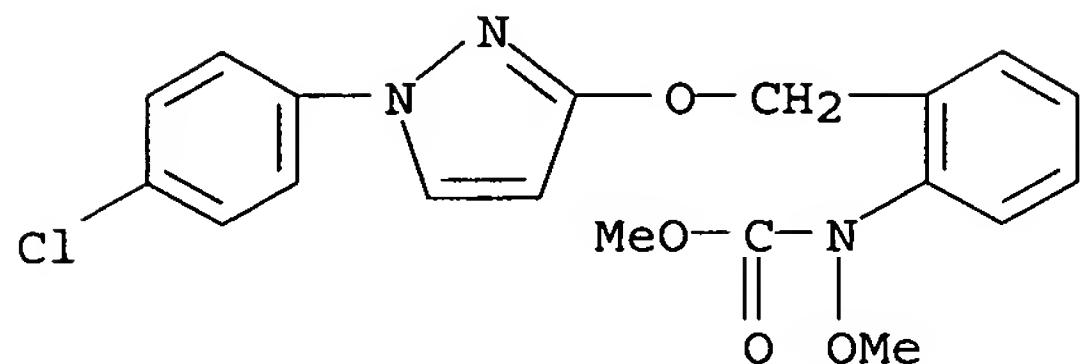
CM 2

CRN 220899-03-6

CMF C19 H21 Br O5



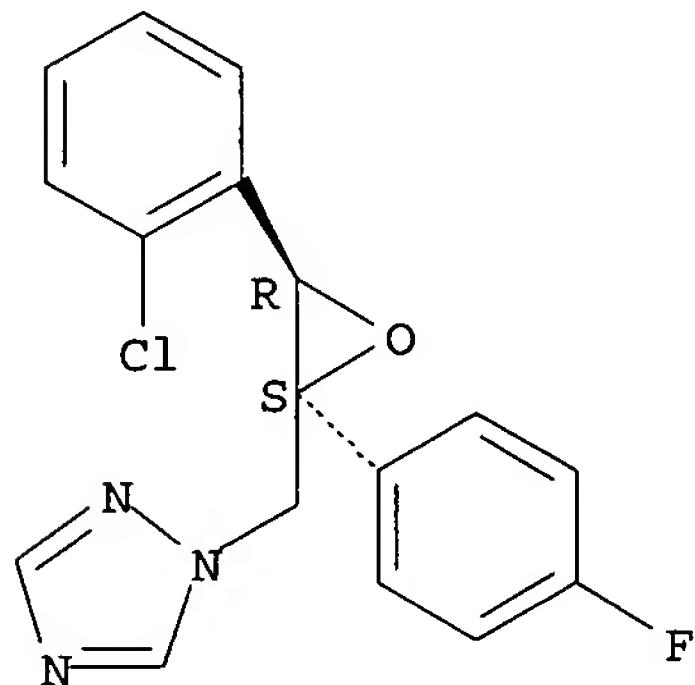
CM 3

CRN 175013-18-0
CMF C19 H18 Cl N3 O4

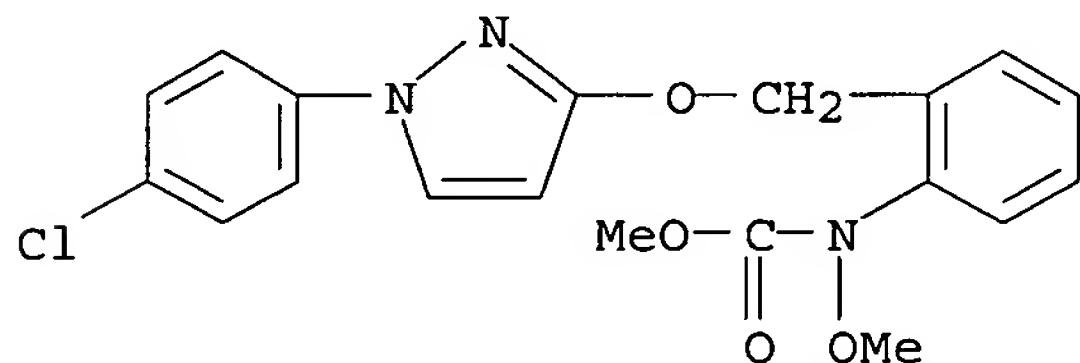
IT 133855-98-8D, Epoxiconazole, mixts. with benzamidoxime derivs. and benzophenones 175013-18-0D, Pyraclostrobin, mixts. with benzamidoxime derivs. and benzophenones 221201-92-9D, derivs., mixts. with benzophenones and azole
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)
 (as synergistic fungicides)

RN 133855-98-8 CAPLUS
 CN 1H-1,2,4-Triazole, 1-[[[(2R,3S)-3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

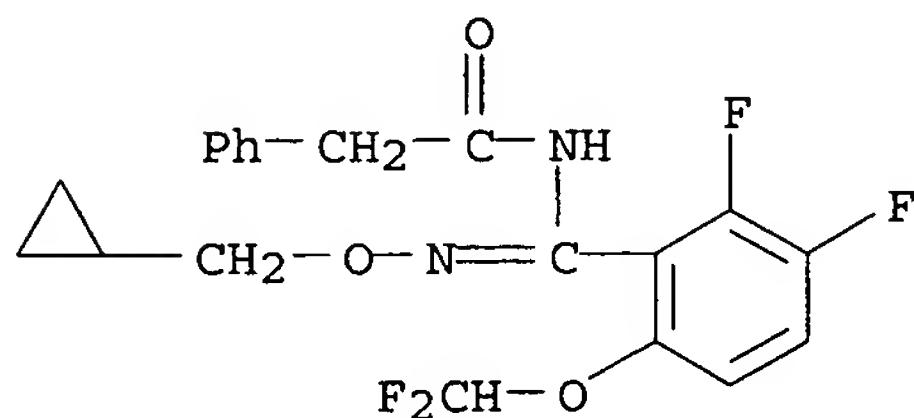


RN 175013-18-0 CAPLUS
 CN Carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester (9CI) (CA INDEX NAME)



RN 221201-92-9 CAPLUS
 CN Benzeneacetamide, N-[(cyclopropylmethoxy)amino] [6-(difluoromethoxy)-2,3-

difluorophenyl)methylene]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 15 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:818206 CAPLUS

DOCUMENT NUMBER: 139:287645

TITLE: Synergistic fungicidal mixtures comprising benzamidoxime derivatives and azoles

INVENTOR(S): Ammermann, Eberhard; Stierl, Reinhard; Lorenz, Gisela; Strathmann, Siegfried; Schelberger, Klaus; Scherer, Maria; Haden, Egon

PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany

SOURCE: PCT Int. Appl., 34 pp.

CODEN: PIXXD2

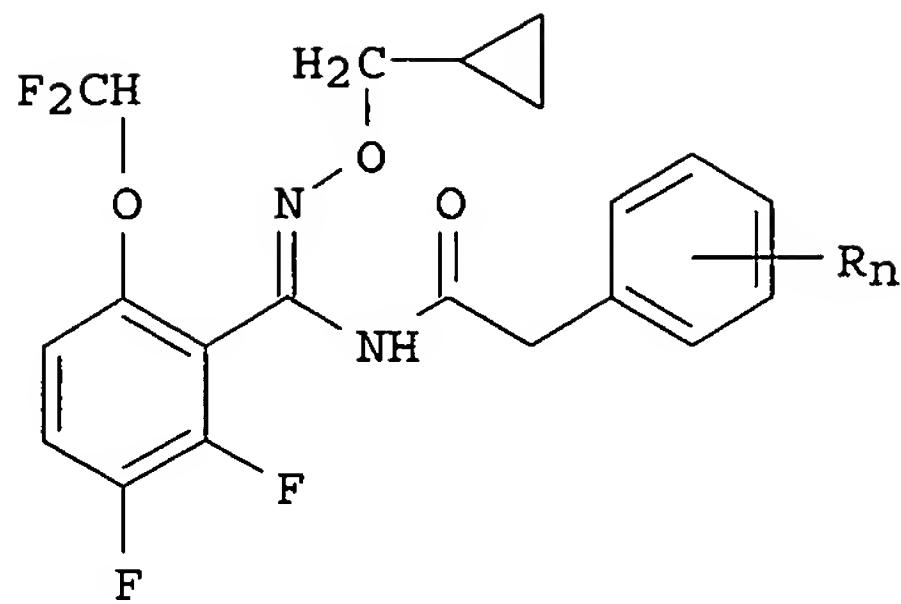
DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|-------------------|----------|------------------|------------|
| WO 2003084330 | A1 | 20031016 | WO 2003-EP3432 | 20030402 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| CA 2480701 | AA | 20031016 | CA 2003-2480701 | 20030402 |
| AU 2003229594 | A1 | 20031020 | AU 2003-229594 | 20030402 |
| EP 1494531 | A1 | 20050112 | EP 2003-722384 | 20030402 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | | |
| BR 2003008830 | A | 20050125 | BR 2003-8830 | 20030402 |
| US 2005148547 | A1 | 20050707 | US 2003-509797 | 20030402 |
| CN 1646014 | A | 20050727 | CN 2003-807862 | 20030402 |
| JP 2005527568 | T2 | 20050915 | JP 2003-581587 | 20030402 |
| PRIORITY APPLN. INFO.: | | | DE 2002-10215145 | A 20020405 |
| | | | WO 2003-EP3432 | W 20030402 |
| OTHER SOURCE(S): | MARPAT 139:287645 | | | |
| GI | | | | |



AB Synergistic fungicidal mixts. comprise benzimidoxime derivs. I ($R = H$, halo, alkyl, haloalkyl, alkoxy or haloalkoxy; $n = 1-3$) and any of 22 triazoles, such as bromuconazole, cyproconazole, difenoconazole, diniconazole, epoxiconazole, fenbuconazole, fluquinconazole, flusilazole, hexaconazole, metconazole; prochloraz, etc.

IT 609344-76-5

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic fungicidal composition)

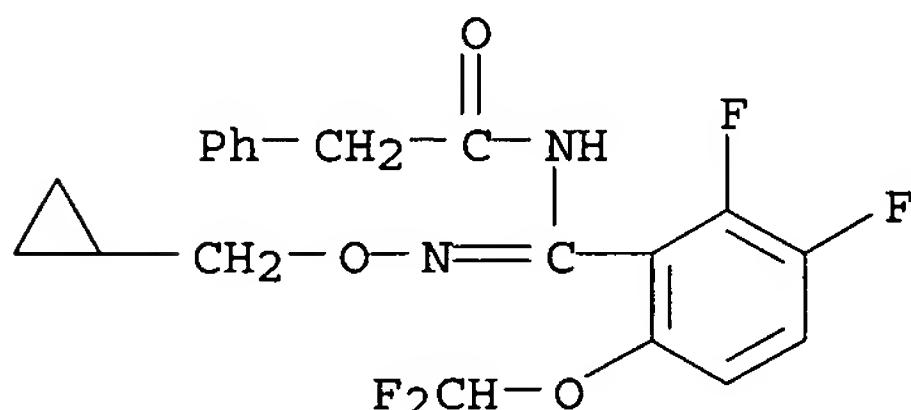
RN 609344-76-5 CAPLUS

CN Benzeneacetamide, N-[(cyclopropylmethoxy)amino][6-(difluoromethoxy)-2,3-difluorophenyl]methylene]-, mixt. with rel-1-[(2R,3S)-3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl]-1H-1,2,4-triazole (9CI) (CA INDEX NAME)

CM 1

CRN 221201-92-9

CMF C20 H18 F4 N2 O3

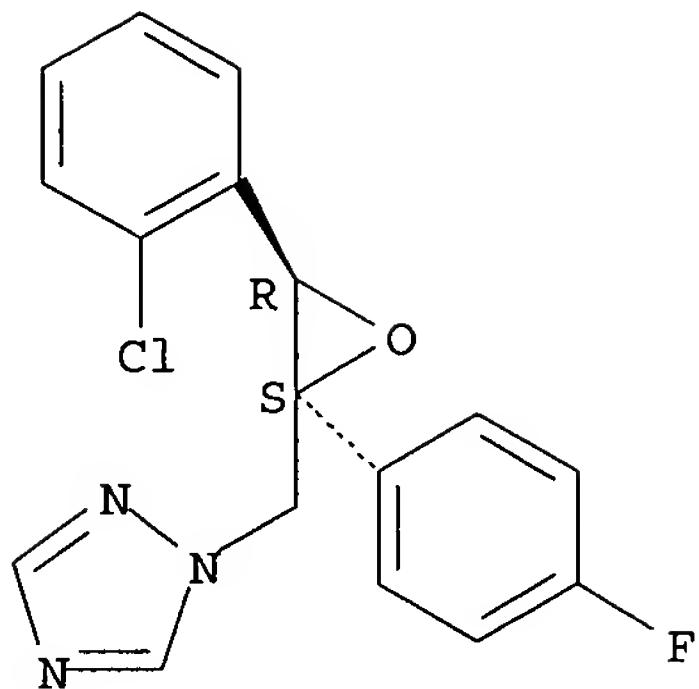


CM 2

CRN 133855-98-8

CMF C17 H13 Cl F N3 O

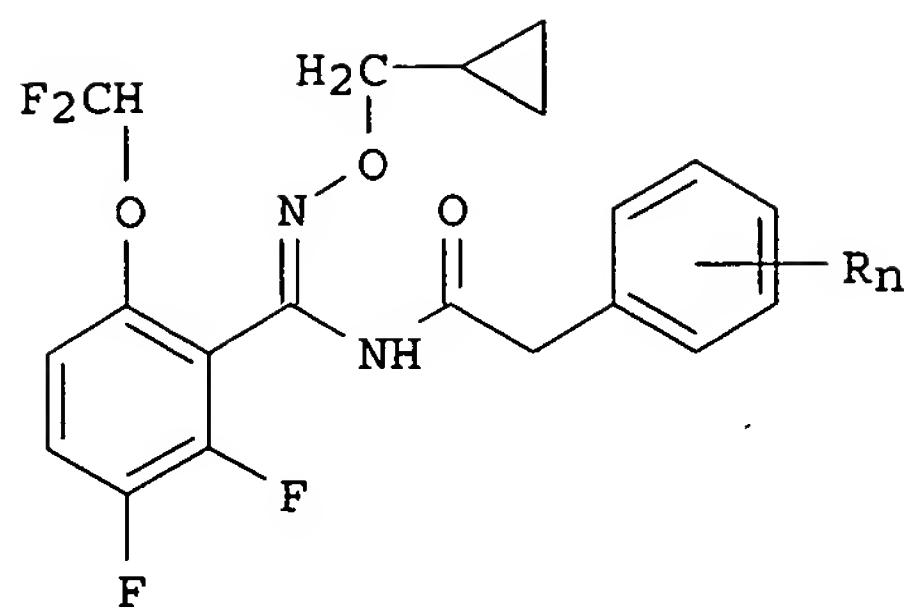
Relative stereochemistry.



REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 16 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2003:818205 CAPLUS
 DOCUMENT NUMBER: 139:287644
 TITLE: Synergistic fungicidal mixtures comprising benzamidoxime and strobilurin derivatives
 Ammermann, Eberhard; Stierl, Reinhard; Lorenz, Gisela; Strathmann, Siegfried; Schelberger, Klaus; Scherer, Maria; Haden, Egon
 INVENTOR(S):
 PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
 SOURCE: PCT Int. Appl., 28 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|-------------------|----------|------------------|------------|
| WO 2003084329 | A1 | 20031016 | WO 2003-EP3429 | 20030402 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| CA 2480614 | AA | 20031016 | CA 2003-2480614 | 20030402 |
| AU 2003226774 | A1 | 20031020 | AU 2003-226774 | 20030402 |
| EP 1494532 | A1 | 20050112 | EP 2003-745780 | 20030402 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | | |
| BR 2003008831 | A | 20050125 | BR 2003-8831 | 20030402 |
| CN 1646013 | A | 20050727 | CN 2003-807563 | 20030402 |
| US 2005182051 | A1 | 20050818 | US 2003-509110 | 20030402 |
| JP 2005527567 | T2 | 20050915 | JP 2003-581586 | 20030402 |
| PRIORITY APPLN. INFO.: | | | DE 2002-10215146 | A 20020405 |
| | | | WO 2003-EP3429 | W 20030402 |
| OTHER SOURCE(S): | MARPAT 139:287644 | | | |
| GI | | | | |



AB The invention relates to a fungicidal mixture containing a benzamidoxime derivative

I, where R represents hydrogen, halogen, C1-C4 alkyl, C1-C4 haloalkyl, C1-C4 alkoxy or C1-C4 haloalkoxy and n represents 1-3; and at least one strobilurin derivative, selected from trifloxystrobin, picoxystrobin, pyraclostrobin, dimoxystrobin, kresoxim Me, azoxystrobin, or other strobilurin derivs. in a synergistically active quantity.

IT 609345-74-6

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic fungicidal composition)

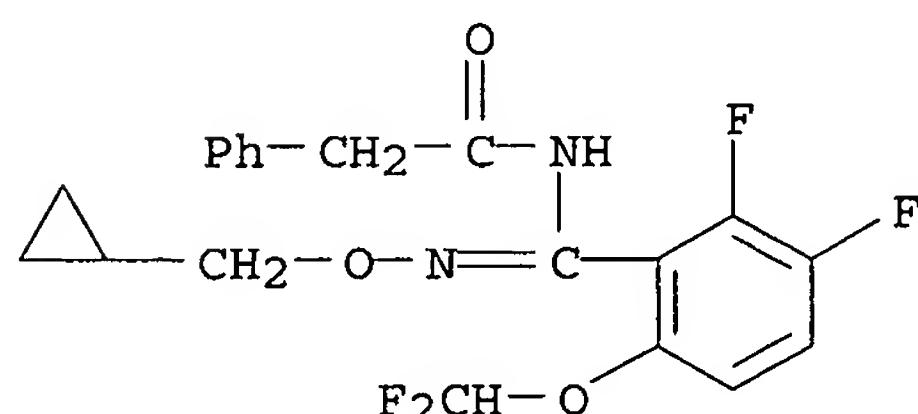
RN 609345-74-6 CAPLUS

CN Carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester, mixt. with N-[(cyclopropylmethoxy)amino][6-(difluoromethoxy)-2,3-difluorophenyl]methylene]benzeneacetamide (9CI) (CA INDEX NAME)

CM 1

CRN 221201-92-9

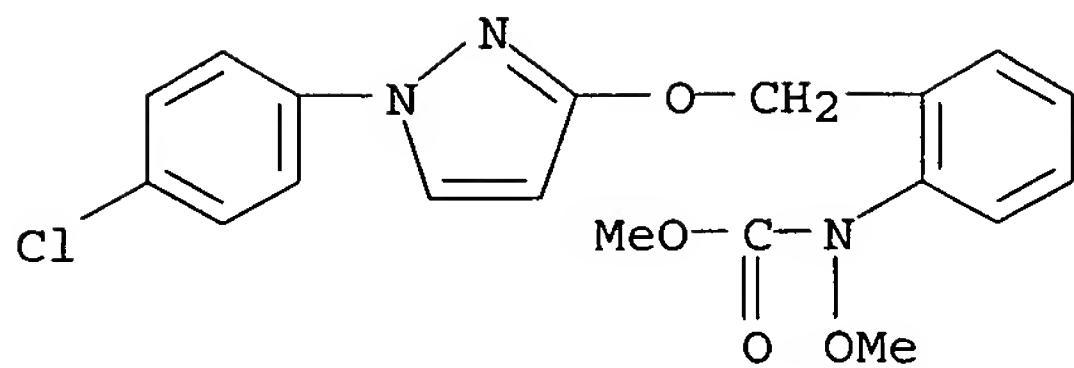
CMF C20 H18 F4 N2 O3



CM 2

CRN 175013-18-0

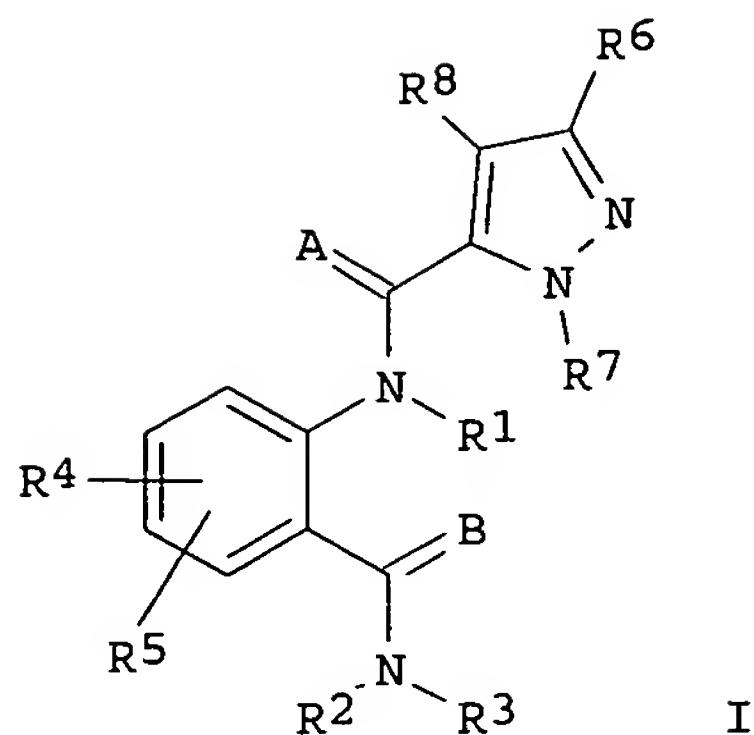
CMF C19 H18 Cl N3 O4



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 17 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2003:242097 CAPLUS
 DOCUMENT NUMBER: 138:267201
 TITLE: Pesticidal compositions for coating plant propagation material containing anthranilamides
 INVENTOR(S): Berger, Richard Alan; Flexner, John Lindsey
 PATENT ASSIGNEE(S): E. I. Du Pont de Nemours & Co., USA
 SOURCE: PCT Int. Appl., 147 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|-------------------|----------|-----------------|------------|
| WO 2003024222 | A1 | 20030327 | WO 2002-US30302 | 20020910 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| CA 2458163 | AA | 20030327 | CA 2002-2458163 | 20020910 |
| EP 1427285 | A1 | 20040616 | EP 2002-775972 | 20020910 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK | | | | |
| BR 2002012993 | A | 20040817 | BR 2002-12993 | 20020910 |
| JP 2005502716 | T2 | 20050127 | JP 2003-528126 | 20020910 |
| JP 3770495 | B2 | 20060426 | | |
| NZ 532269 | A | 20051028 | NZ 2002-532269 | 20020910 |
| ZA 2004000413 | A | 20050120 | ZA 2004-413 | 20040120 |
| US 2004209923 | A1 | 20041021 | US 2004-485125 | 20040126 |
| PRIORITY APPLN. INFO.: | | | US 2001-323941P | P 20010921 |
| | | | WO 2002-US30302 | W 20020910 |
| OTHER SOURCE(S): | MARPAT 138:267201 | | | |
| GI | | | | |



AB An invertebrate pest control composition for coating a propagule comprises (1) a biol. effective amount of an anthranilamide compds. I (Markush included), an N-oxide thereof or an agriculturally suitable salt thereof, and (2) a film former or adhesive agent. Arthropodicidal composition containing anthranilamide compds. I may further comprise addnl. biol. active compds. selected from arthropodicides of the group consisting of pyrethroids, carbamates, neonicotinoids, neuronal sodium channel blockers, insecticidal macrocyclic lactones, γ -aminobutyric acid (GABA) antagonists, insecticidal ureas, and juvenile hormone mimics, and fungicides. The propagule is a seed of cotton, maize, soybean, rice, etc., or a rhizome, tuber, bulb or corm, or viable division thereof, of potato, sweet potato, garden onion, tulip, daffodil, crocus hyacinth, etc., or is a stem or leaf cutting.

IT 133855-98-8, Epoxiconazole 175013-18-0, Pyraclostrobin

220899-03-6, Metrafenone

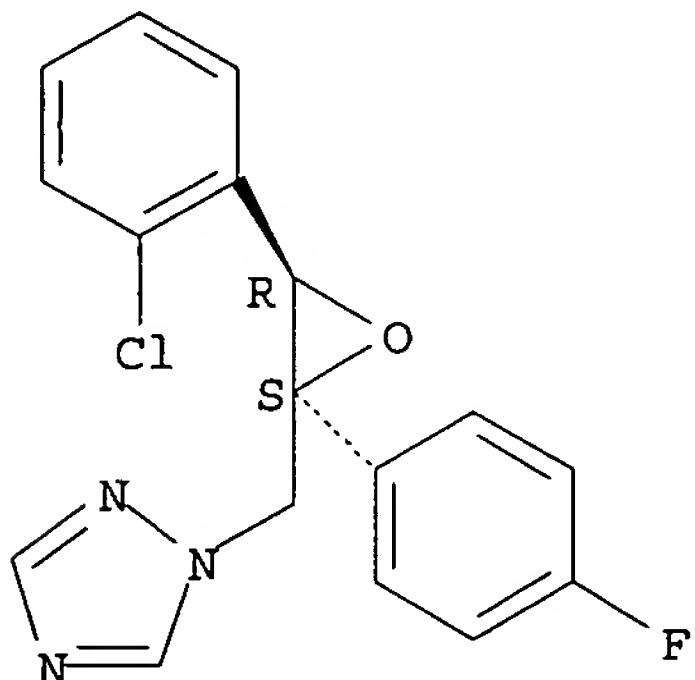
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(in pesticidal compns. for plant propagation material containing anthranilamides)

RN 133855-98-8 CAPLUS

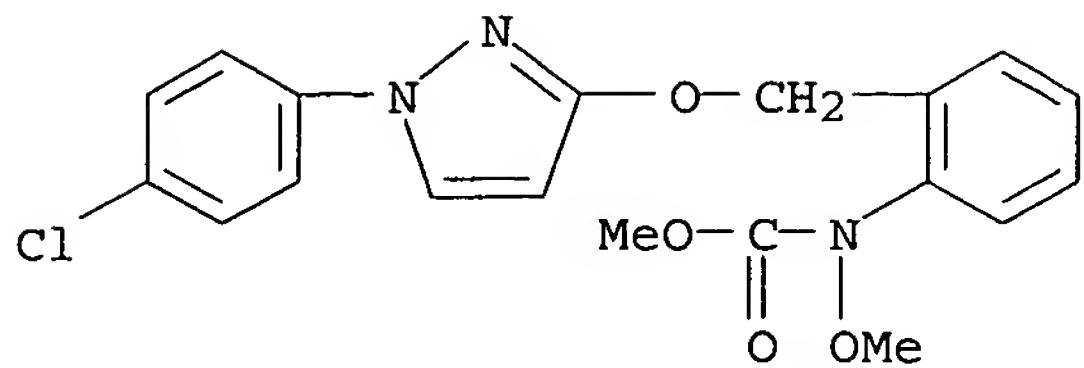
CN 1H-1,2,4-Triazole, 1-[[[(2R,3S)-3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



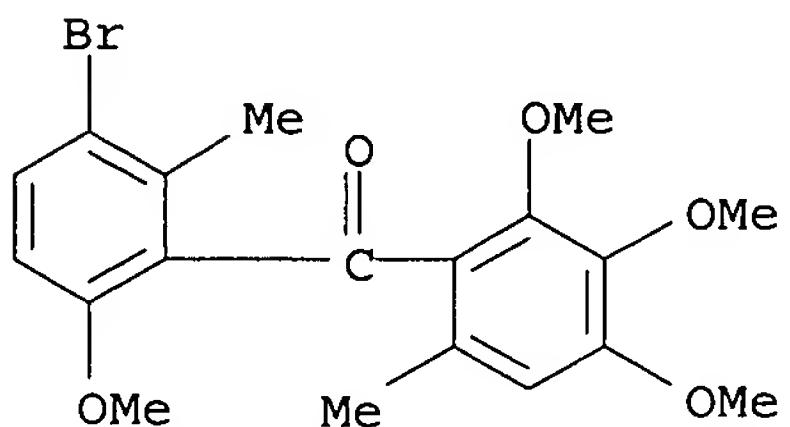
RN 175013-18-0 CAPLUS

CN Carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester (9CI) (CA INDEX NAME)



RN 220899-03-6 CAPLUS

CN Methanone, (3-bromo-6-methoxy-2-methylphenyl)(2,3,4-trimethoxy-6-methylphenyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 18 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:169613 CAPLUS

DOCUMENT NUMBER: 138:397549

TITLE: Anti-oxidative and anti-senescence effects of the strobilurin pyraclostrobin in plants: A new strategy to cope with environmental stress in cereals

AUTHOR(S): Jabs, T.; Pfirrmann, J.; Schafer, S.; Wu, Y. X.; von Tiedemann, A.

CORPORATE SOURCE: Agricultural Centre, Global Research Biology, BASF AG, Limburgerhof, 67114, Germany

SOURCE: BCPC Conference--Pests & Diseases (2002), (Vol. 2), 941-946

CODEN: BCDCAE

PUBLISHER: British Crop Protection Council

DOCUMENT TYPE: Journal

LANGUAGE: English

AB In addition to its broad spectrum fungicidal activity, the strobilurin pyraclostrobin had pos. effects on the crop yield in the absence of pathogen challenge. This physiol. effect on the plants was especially apparent under conditions of environmental stress. We have observed that pyraclostrobin prevented both symptom development and yield reduction by physiol. leaf spot in barley. Foliar application of pyraclostrobin reduced the production of reactive oxygen intermediates in barley leaf tissues by more than 50% and activated the plant antioxidative system. In addition, pyraclostrobin treatment prevented the release of stress-induced ethylene and premature senescence. Since the physiol. leaf spot disease and other environmental stresses are caused by changes in the genetic and metabolic regulation of reactive oxygen intermediates resulting in membrane-leakage, cell death or premature senescence, we postulate that the anti-oxidative and anti-senescence effects of pyraclostrobin are responsible for its ability to improve stress tolerance in plants.

IT 198697-58-4, Opera
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL
 (Biological study); USES (Uses)
 (pyraclostrobin-epoxiconazole mixture; anti-oxidative and anti-senescence
 effects of pyraclostrobin in barley)

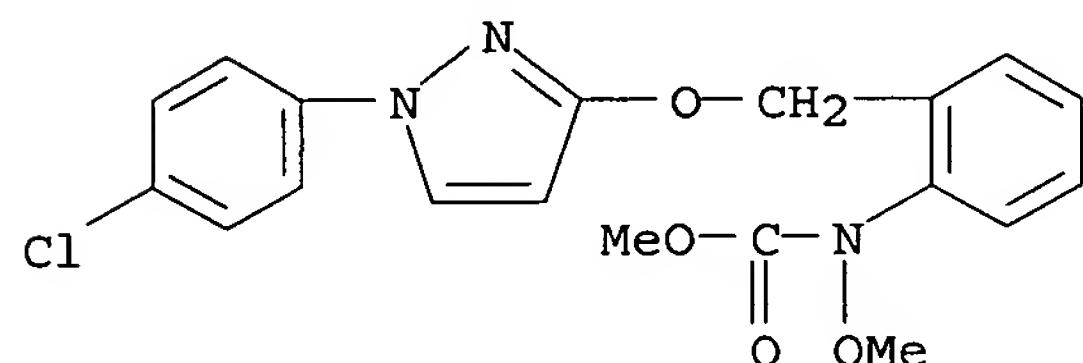
RN 198697-58-4 CAPLUS

CN Carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-
 yl]oxy]methyl]phenyl]methoxy-, methyl ester, mixt. with
 rel-1-[(2R,3S)-3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl]-1H-
 1,2,4-triazole (9CI) (CA INDEX NAME)

CM 1

CRN 175013-18-0

CMF C19 H18 Cl N3 O4

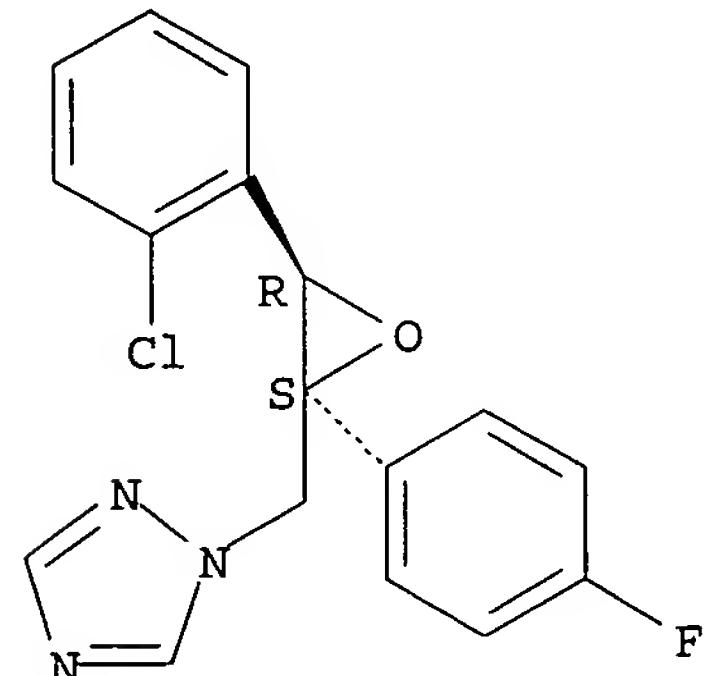


CM 2

CRN 133855-98-8

CMF C17 H13 Cl F N3 O

Relative stereochemistry.



REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 19 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2002:675750 CAPLUS

DOCUMENT NUMBER: 137:181098

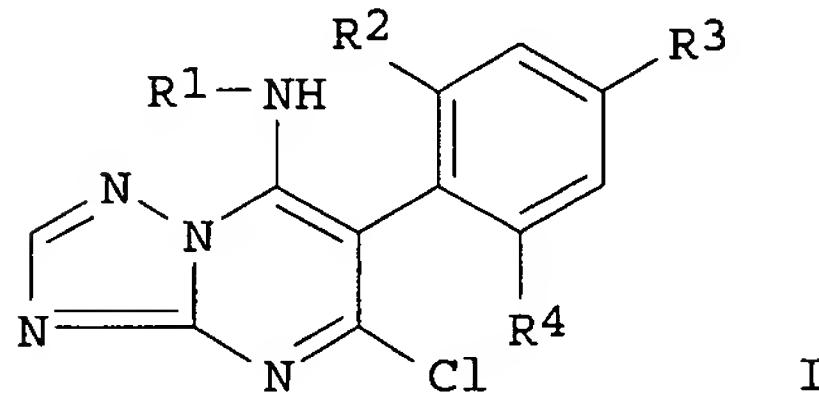
TITLE: Synergistic fungicidal mixtures comprising a
 benzophenone derivative

INVENTOR(S): Cotter, Henry Van Tuyl; Reichert, Gunter; Sieverding,
 Ewald; Jegerings, Petrus Martinus Franciscus Emanuel

PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany

SOURCE: PCT Int. Appl., 46 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|-------------------|----------|-----------------|----------|
| WO 2002067679 | A1 | 20020906 | WO 2001-EP1823 | 20010219 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| PRIORITY APPLN. INFO.: | | | WO 2001-EP1823 | 20010219 |
| OTHER SOURCE(S): | MARPAT 137:181098 | | | |
| GI | | | | |



AB Fungicidal compns. for controlling the growth of phytopathogenic fungi comprise synergistically effective amts. of (a) a benzophenone derivative (3-bromo-6-methoxy-2-methylphenyl) (2,3,4-trimethoxy-6-methylphenyl) methanone (REG 220899-03-6) and (b) at least one fungicidally active ingredient selected from groups (A), (B), (C), (D) and (E): (A) an ergosterol biosynthesis inhibitor; (B) a strobilurine derivative; (C) a melanin biosynthesis inhibitor; (D) a compound selected from the group consisting of acibenzolar, benomyl, captan, carboxin, chlorothalonil, copper, cyprodinil, dinocap, dithianon, dimethomorph, dodine, ethirimol, famoxadone, fenpiclonil, fluazinam, mancozeb, metalaxyl, pyrifenox, sulfur, vinclozolin; and (E) a triazolopyrimidine I (Markush included).

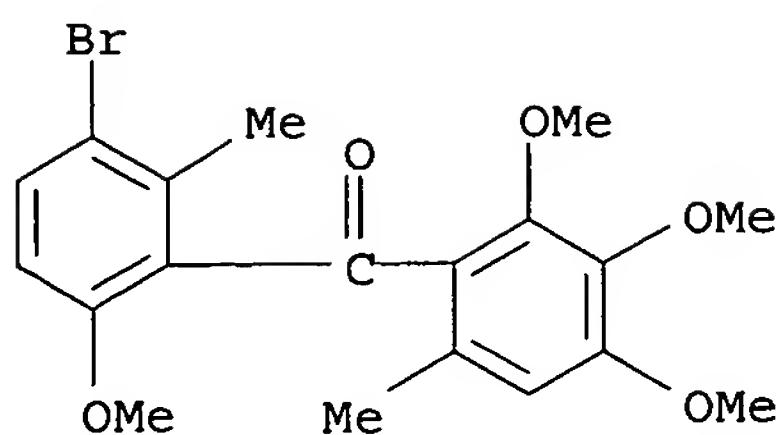
IT 451486-30-9 451486-57-0 451486-59-2
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)
 (synergistic fungicidal compns. containing)

RN 451486-30-9 CAPLUS

CN Methanone, (3-bromo-6-methoxy-2-methylphenyl) (2,3,4-trimethoxy-6-methylphenyl)-, mixt. with rel-1-[(2R,3S)-3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl]-1H-1,2,4-triazole (9CI) (CA INDEX NAME)

CM 1

CRN 220899-03-6
 CMF C19 H21 Br O5

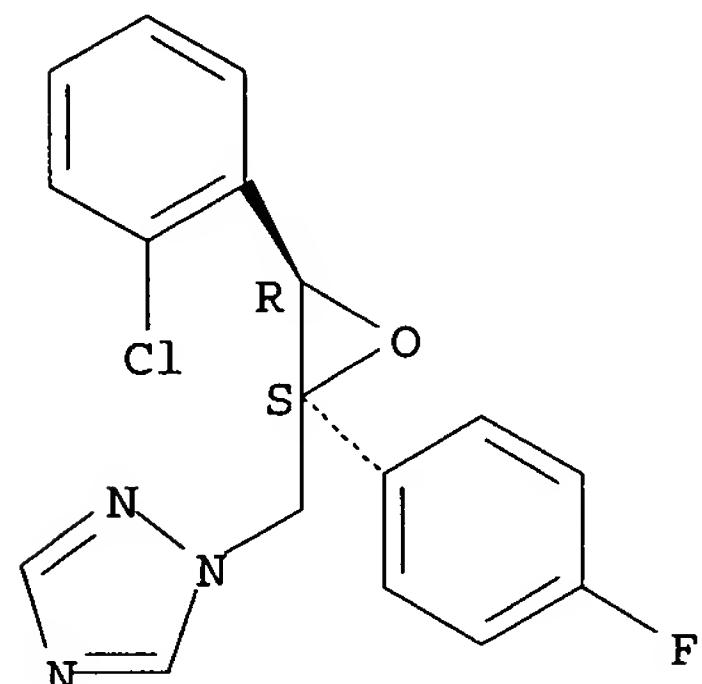


CM 2

CRN 133855-98-8

CMF C17 H13 Cl F N3 O

Relative stereochemistry.



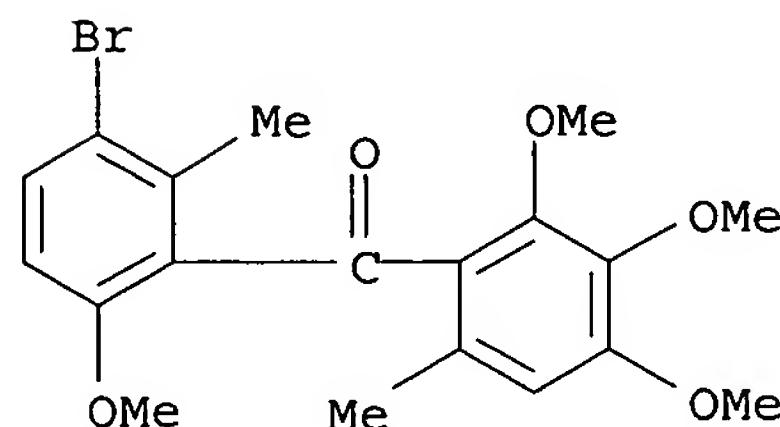
RN 451486-57-0 CAPLUS

CN Benzeneacetic acid, α -(methoxyimino)-2-[(2-methylphenoxy)methyl]-, methyl ester, (α E)-, mixt. with (3-bromo-6-methoxy-2-methylphenyl)(2,3,4-trimethoxy-6-methylphenyl)methanone and rel-1-[(2R,3S)-3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl]-1H-1,2,4-triazole (9CI) (CA INDEX NAME)

CM 1

CRN 220899-03-6

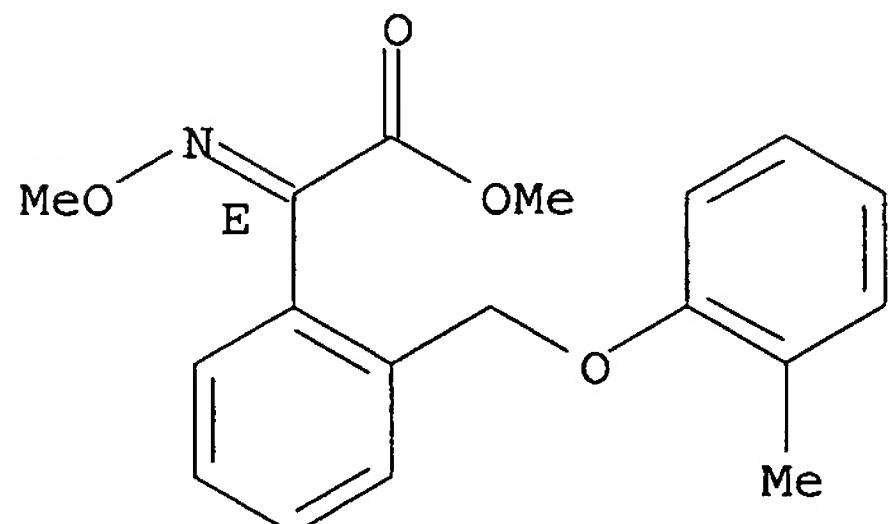
CMF C19 H21 Br O5



CM 2

CRN 143390-89-0
CMF C18 H19 N O4

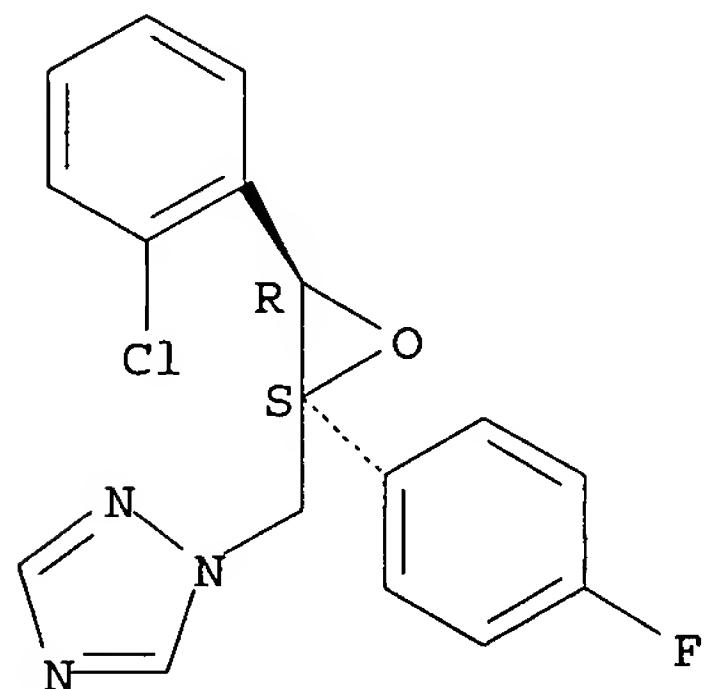
Double bond geometry as shown.



CM 3

CRN 133855-98-8
CMF C17 H13 Cl F N3 O

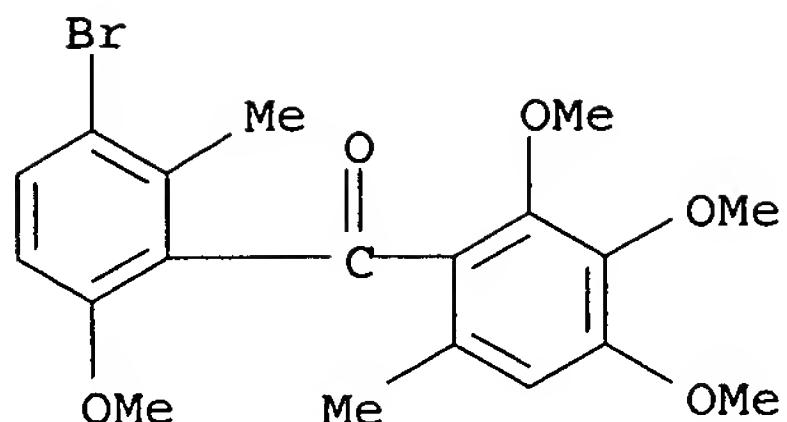
Relative stereochemistry.



RN 451486-59-2 CAPLUS
CN Methanone, (3-bromo-6-methoxy-2-methylphenyl)(2,3,4-trimethoxy-6-methylphenyl)-, mixt. with rel-1-[(2R,3S)-3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl]-1H-1,2,4-triazole and (2R,6S)-rel-4-[3-[4-(1,1-dimethylethyl)phenyl]-2-methylpropyl]-2,6-dimethylmorpholine (9CI) (CA INDEX NAME)

CM 1

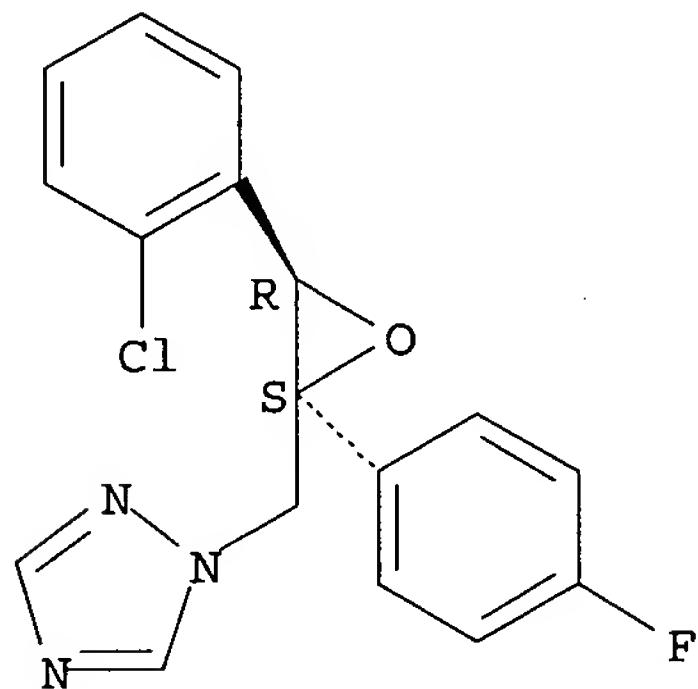
CRN 220899-03-6
CMF C19 H21 Br O5



CM 2

CRN 133855-98-8
CMF C17 H13 Cl F N3 O

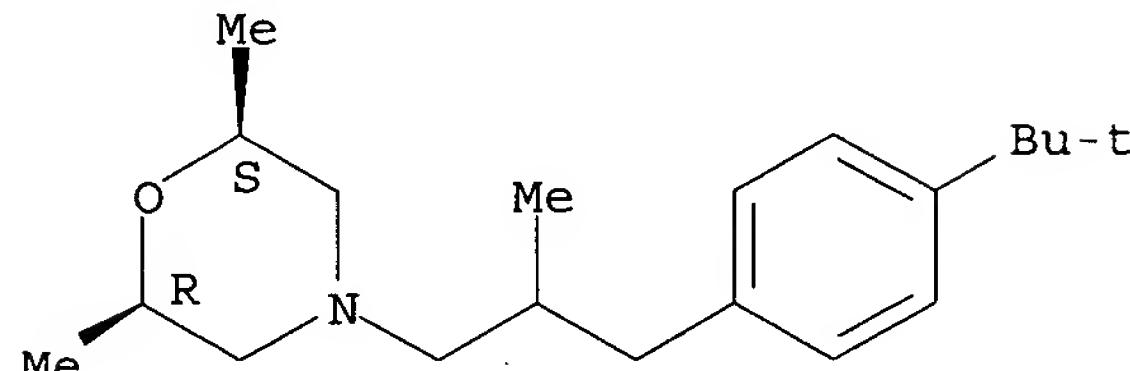
Relative stereochemistry.



CM 3

CRN 67564-91-4
CMF C20 H33 N O

Relative stereochemistry.



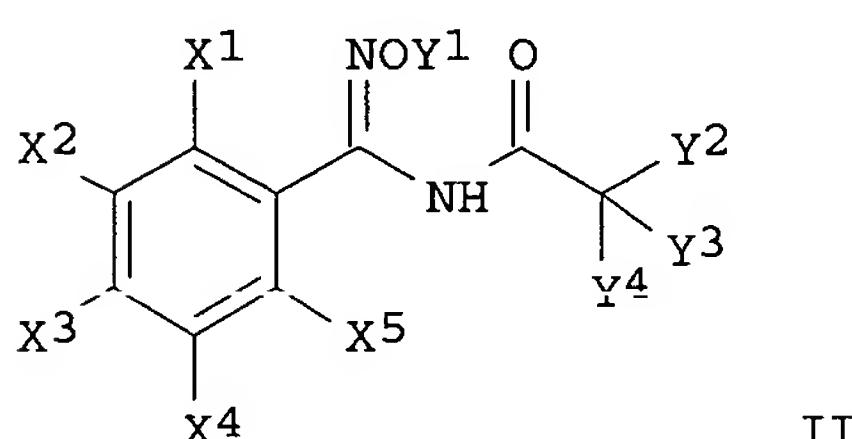
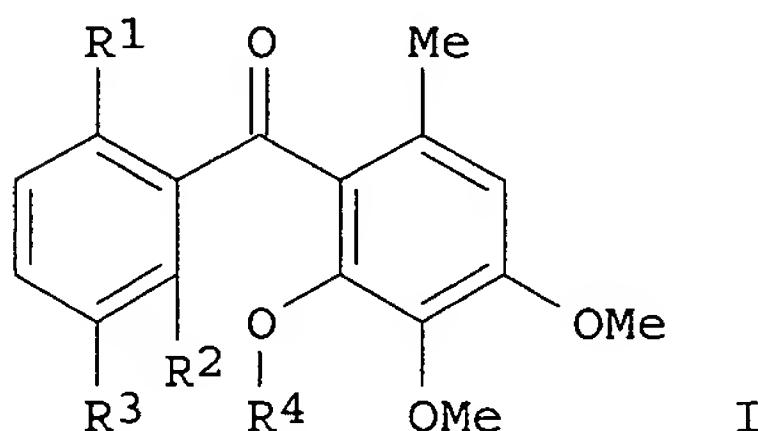
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 20 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:615338 CAPLUS
DOCUMENT NUMBER: 137:151318
TITLE: Synergistic fungicidal compositions containing a benzophenone and an oxime ether derivative
INVENTOR(S): Eicken, Karl; Rose, Ingo; Ammermann, Eberhard; Stierl, Reinhard; Lorenz, Gisela; Strathmann, Siegfried;

PATENT ASSIGNEE(S) : Scherer, Maria; Schelberger, Klaus; Haden, Egon
 SOURCE: Basf Aktiengesellschaft, Germany
 PCT Int. Appl., 25 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|------------------|------------|
| WO 2002062140 | A1 | 20020815 | WO 2002-EP414 | 20020117 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| CA 2434664 | AA | 20020815 | CA 2002-2434664 | 20020117 |
| EP 1365650 | A1 | 20031203 | EP 2002-729924 | 20020117 |
| EP 1365650 | B1 | 20050824 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | | |
| BR 2002006487 | A | 20040217 | BR 2002-6487 | 20020117 |
| JP 2004521896 | T2 | 20040722 | JP 2002-562152 | 20020117 |
| NZ 527420 | A | 20040827 | NZ 2002-527420 | 20020117 |
| AT 302548 | E | 20050915 | AT 2002-729924 | 20020117 |
| ES 2247331 | T3 | 20060301 | ES 2002-2729924 | 20020117 |
| US 2004054000 | A1 | 20040318 | US 2003-466332 | 20030714 |
| ZA 2003006359 | A | 20040901 | ZA 2003-6359 | 20030815 |
| PRIORITY APPLN. INFO.: | | | DE 2001-10102281 | A 20010118 |
| | | | WO 2002-EP414 | W 20020117 |

OTHER SOURCE(S) : MARPAT 137:151318
 GI



AB The invention relates to synergistic fungicidal compns. comprising benzophenones I (R1 = Cl, Me, MeO, AcO, pivaloyloxy or OH; R2 = Cl or Me; R3 = H, halo or Me; R4 = C1-6 alkyl or benzyl, whereby the Ph part of the benzyl group can bear a halo or Me substituent) and oxime ether derivs. II [X1 = C1-4 haloalkyl or haloalkoxy; X1-5 = H, halo, C1-4 alkyl, haloalkyl, alkoxy or haloalkoxy; Y1 = (un)substituted C1-4 alkyl, C2-6 alkenyl, alkynyl or C1-4 alkyl(C3-7)cycloalkyl; Y2 = (un)substituted Ph or heterocyclyl; Y3, Y4 = H, C1-4 alkyl, alkoxy, alkylthio, alkylamino, haloalkyl or haloalkoxy].

IT 445249-42-3 445249-43-4

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic fungicidal composition)

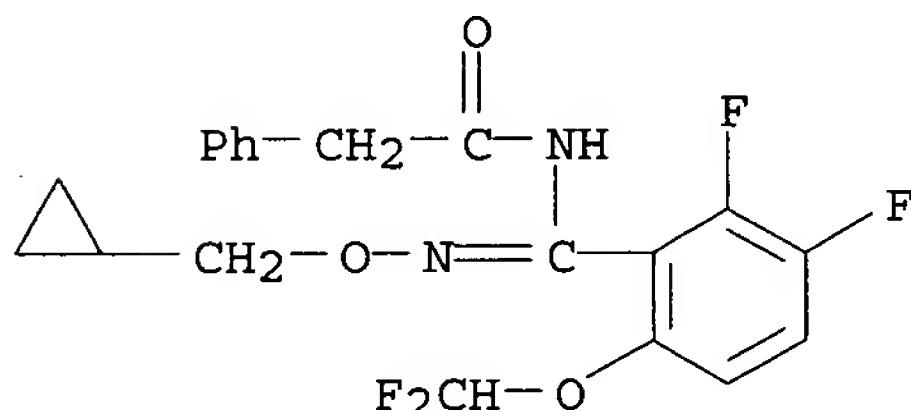
RN 445249-42-3 CAPLUS

CN Benzeneacetamide, N-[(cyclopropylmethoxy)amino][6-(difluoromethoxy)-2,3-difluorophenyl]methylene]-, mixt. with (3-bromo-6-methoxy-2-methylphenyl)(2,3,4-trimethoxy-6-methylphenyl)methanone (9CI) (CA INDEX NAME)

CM 1

CRN 221201-92-9

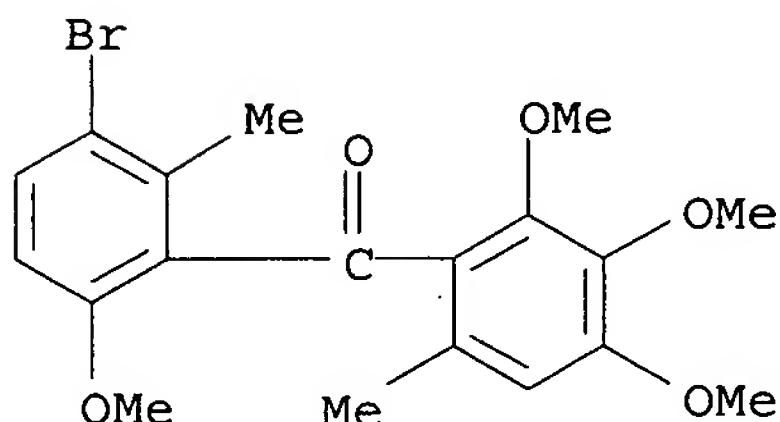
CMF C20 H18 F4 N2 O3



CM 2

CRN 220899-03-6

CMF C19 H21 Br O5

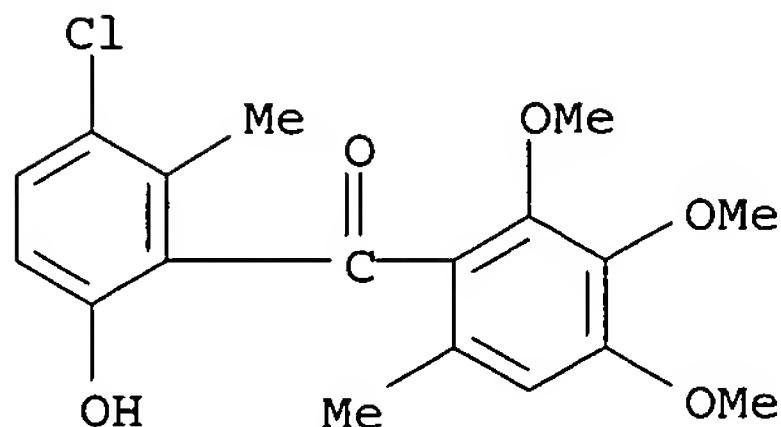


RN 445249-43-4 CAPLUS

CN Benzeneacetamide, N-[(cyclopropylmethoxy)amino][6-(difluoromethoxy)-2,3-difluorophenyl]methylene]-, mixt. with (3-chloro-6-hydroxy-2-methylphenyl)(2,3,4-trimethoxy-6-methylphenyl)methanone (9CI) (CA INDEX NAME)

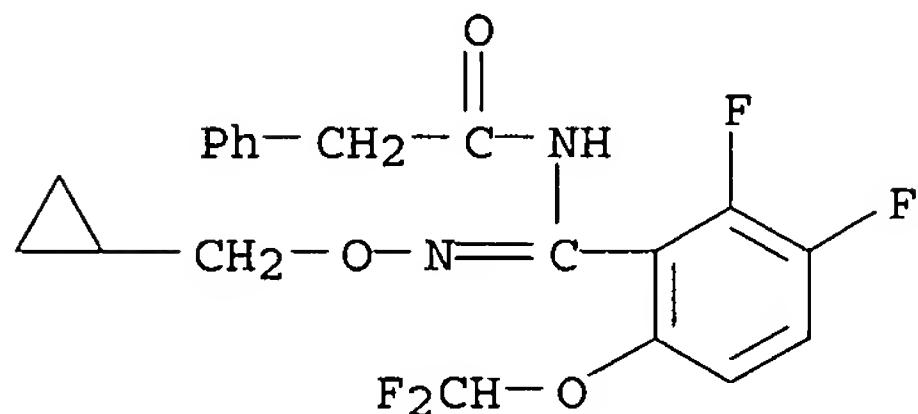
CM 1

CRN 252955-12-7
CMF C18 H19 Cl O5



CM 2

CRN 221201-92-9
CMF C20 H18 F4 N2 O3



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 21 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:602334 CAPLUS
DOCUMENT NUMBER: 137:347825
TITLE: Efficiency of fungicides to control anthracnose and angular leaf spot in common beans
AUTHOR (S): Rava, Carlos A.
CORPORATE SOURCE: Embrapa Arroz e Feijao, Santo Antonio de Goias, Brazil
SOURCE: Summa Phytopathologica (2002), 28(1), 65-69
CODEN: SUPHDV; ISSN: 0100-5405
PUBLISHER: Grupo Paulista de Fitopatologia
DOCUMENT TYPE: Journal
LANGUAGE: Portuguese
AB The effect of spray applications of two active ingredients, alone and in mixts.: epoxyconazole to control angular leafspot and pyraclostrobin, to control both anthracnose and angular leaf spot of common beans was studied. The treatments tested for control of anthracnose were. carbendazim + epoxyconazole (250 + 12.5 g ha⁻¹); thiophanate Me + epoxyconazole (300 + 12.5 g ha⁻¹); pyraclostrobin (50, 75, 100 g ha⁻¹); pyraclostrobin + epoxyconazole (26.6 + 10 33.3 + 12.5 g ha⁻¹); tebuconazole (200 g ha⁻¹); and the check. For the angular leaf spot control trial, besides the above treatments were also included: epoxyconazole (12.5 g ha⁻¹); azoxystrobin (60 g ha⁻¹); tebuconazole (200 g ha⁻¹); and thiophanate Me + chlorothalonil (350+875 g ha⁻¹). Pyraclostrobin alone or in mixture with epoxyconazole, significantly reduced

anthracnose severity, in all tested doses. All fungicides and doses tested to control anthracnose increased grain yield significantly, reaching as much as 97% increase in comparison with the check. Epoxyconazole alone or in mixts., showed high efficiency for control angular leaf spot. The effect of pyraclostrobin in all three doses tested and its mixture with epoxyconazole did not differ from epoxyconazole alone and in mixture with carbendazim and thiophanate. These treatments showed significantly higher control efficiency of angular leaf spot than azoxystrobin, tebuconazole and thiophanate Me + chorothalonil.

IT 198697-58-4, Pyraclostrobin-epoxiconazole mixture
 RL: BSU (Biological study, unclassified); BIOL (Biological study)
 (fungicides for control anthracnose and angular leaf spot in common beans)

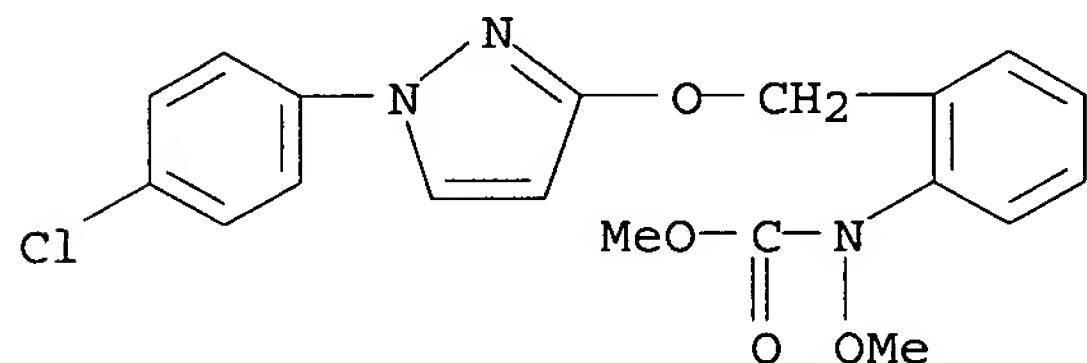
RN 198697-58-4 CAPLUS

CN Carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester, mixt. with
 rel-1-[(2R,3S)-3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl]-1H-1,2,4-triazole (9CI) (CA INDEX NAME)

CM 1

CRN 175013-18-0

CMF C19 H18 Cl N3 O4

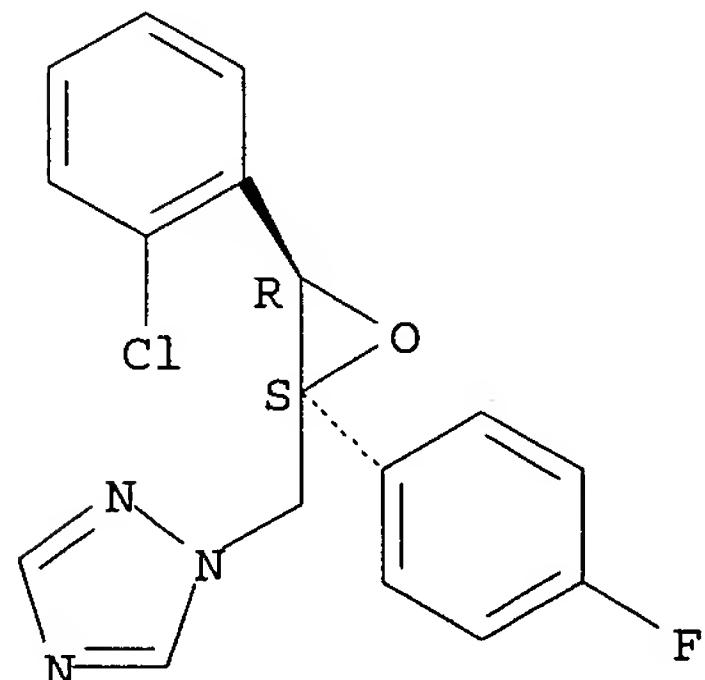


CM 2

CRN 133855-98-8

CMF C17 H13 Cl F N3 O

Relative stereochemistry.



REFERENCE COUNT:

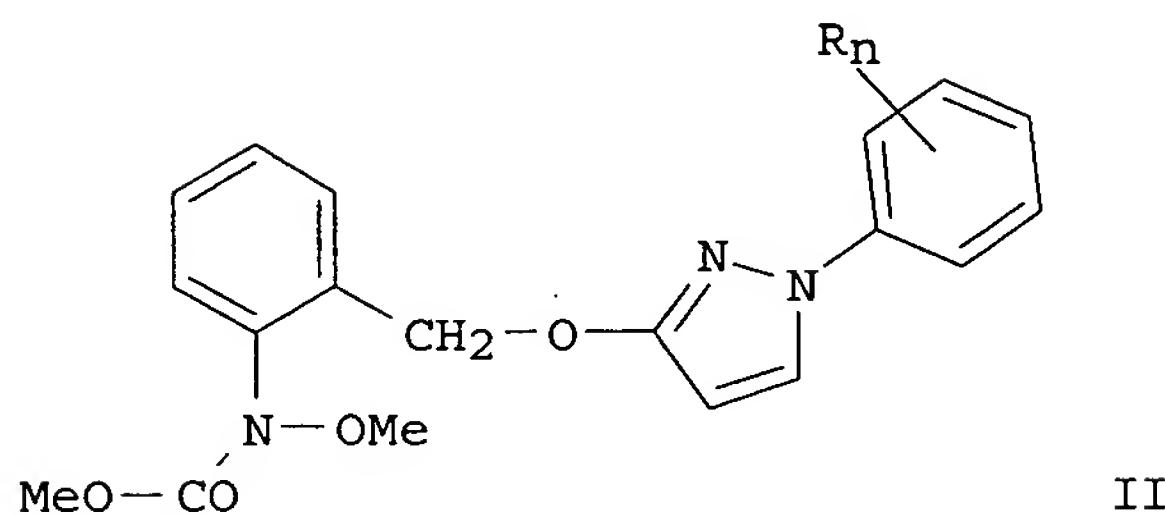
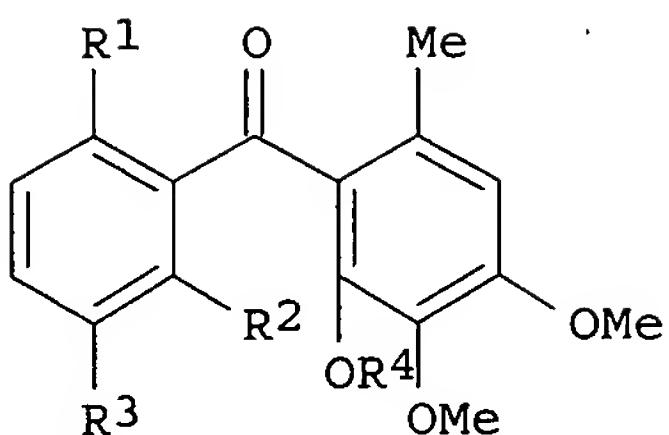
28

THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 22 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2002:555272 CAPLUS
 DOCUMENT NUMBER: 137:105160
 TITLE: Synergistic fungicide mixtures
 INVENTOR(S): Mueller, Bernd; Rose, Ingo; Ammermann, Eberhard;
 Stierl, Reinhard; Lorenz, Gisela; Strathmann,
 Siegfried; Scherer, Maria; Schelberger, Klaus;
 Leyendecker, Joachim; Haden, Egon
 PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany
 SOURCE: PCT Int. Appl., 28 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|------------------|------------|
| WO 2002056686 | A1 | 20020725 | WO 2002-EP411 | 20020117 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| CA 2434684 | AA | 20020725 | CA 2002-2434684 | 20020117 |
| EP 1353554 | A1 | 20031022 | EP 2002-710012 | 20020117 |
| EP 1353554 | B1 | 20040630 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | | |
| EE 200300337 | A | 20031215 | EE 2003-337 | 20020117 |
| BR 2002006494 | A | 20040106 | BR 2002-6494 | 20020117 |
| AT 270041 | E | 20040715 | AT 2002-710012 | 20020117 |
| JP 2004521887 | T2 | 20040722 | JP 2002-557205 | 20020117 |
| PT 1353554 | T | 20041130 | PT 2002-710012 | 20020117 |
| ES 2224051 | T3 | 20050301 | ES 2002-2710012 | 20020117 |
| NZ 527419 | A | 20050429 | NZ 2002-527419 | 20020117 |
| BG 107964 | A | 20040227 | BG 2003-107964 | 20030702 |
| US 2004077700 | A1 | 20040422 | US 2003-466168 | 20030714 |
| ZA 2003006358 | A | 20040830 | ZA 2003-6358 | 20030815 |
| PRIORITY APPLN. INFO.: | | | DE 2001-10102279 | A 20010118 |
| | | | DE 2001-10123734 | A 20010515 |
| | | | WO 2002-EP411 | W 20020117 |

OTHER SOURCE(S): MARPAT 137:105160
 GI



AB The title mixts. comprise a benzophenone I (R1 = Cl, Me, AcO, pivaloyloxy or OH; R2 = Cl or Ne; R3 = H, halo or Me; R4 = alkyl, benzyl, halobenzyl or methylbenzyl) a carbamate II (R = halo, alkyl or haloalkyl; n = 1 or 2) and an azole derivative, such as epoxyconazole, metconazole, propiconazole or tebuconazole.

IT 133855-98-8D, mixts. with benzophenone and carbamate derivs.

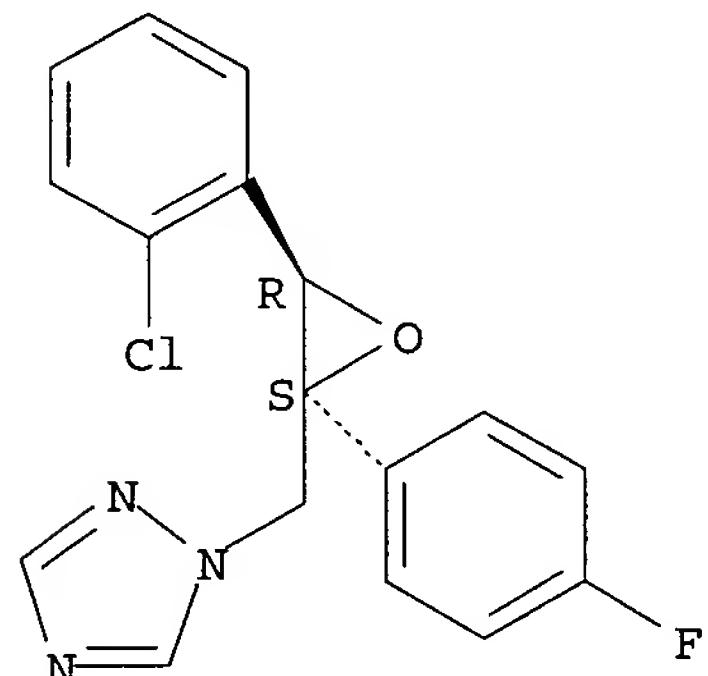
443102-41-8 443102-48-5 443102-54-3

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic fungicide mixture)

RN 133855-98-8 CAPLUS

CN 1H-1,2,4-Triazole, 1-[[[(2R,3S)-3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

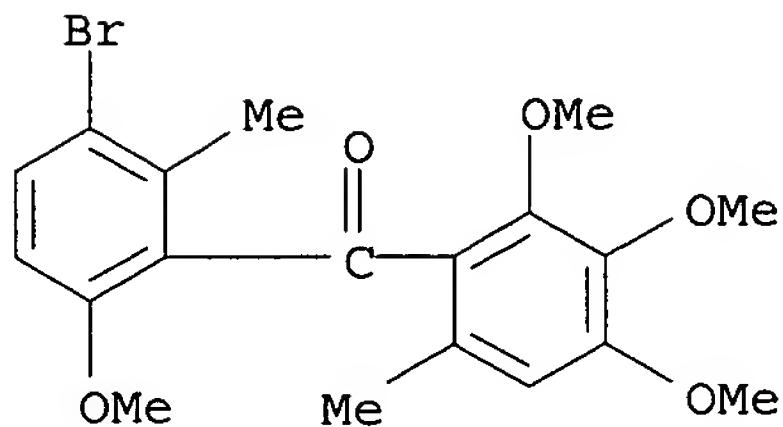


RN 443102-41-8 CAPLUS

CN Carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester, mixt. with (3-bromo-6-methoxy-2-methylphenyl)(2,3,4-trimethoxy-6-methylphenyl)methanone and rel-1-[[[(2R,3S)-3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl]-1H-1,2,4-triazole (9CI) (CA INDEX NAME)

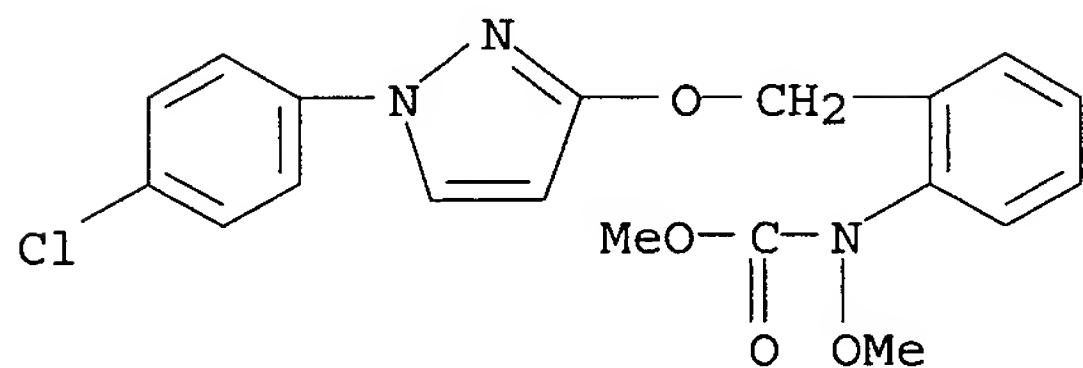
CM 1

CRN 220899-03-6
CMF C19 H21 Br 05



CM 2

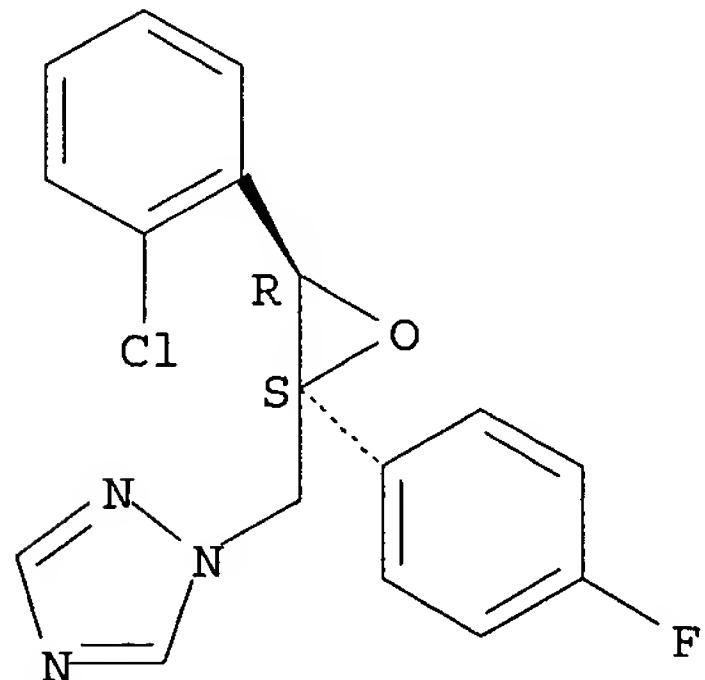
CRN 175013-18-0
CMF C19 H18 Cl N3 O4



CM 3

CRN 133855-98-8
CMF C17 H13 Cl F N3 O

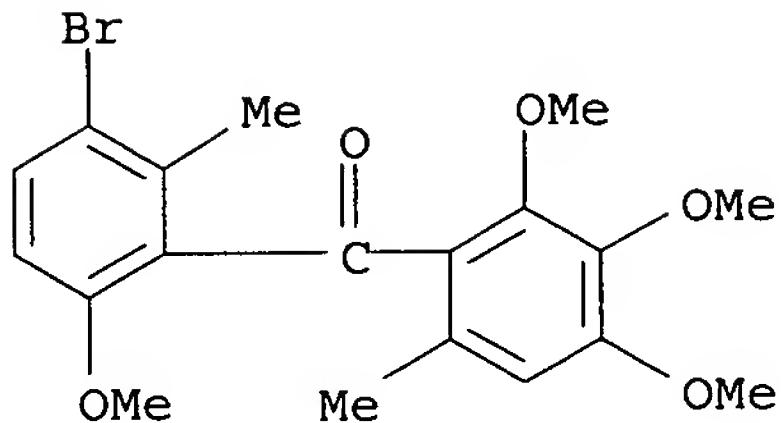
Relative stereochemistry.



RN 443102-48-5 CAPLUS
CN Carbamic acid, methoxy[2-[[[1-(4-methylphenyl)-1H-pyrazol-3-yl]oxy]methylphenyl]-, methyl ester, mixt. with (3-bromo-6-methoxy-2-methylphenyl)(2,3,4-trimethoxy-6-methylphenyl)methanone and rel-1-[(2R,3S)-3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl]-1H-1,2,4-triazole (9CI) (CA INDEX NAME)

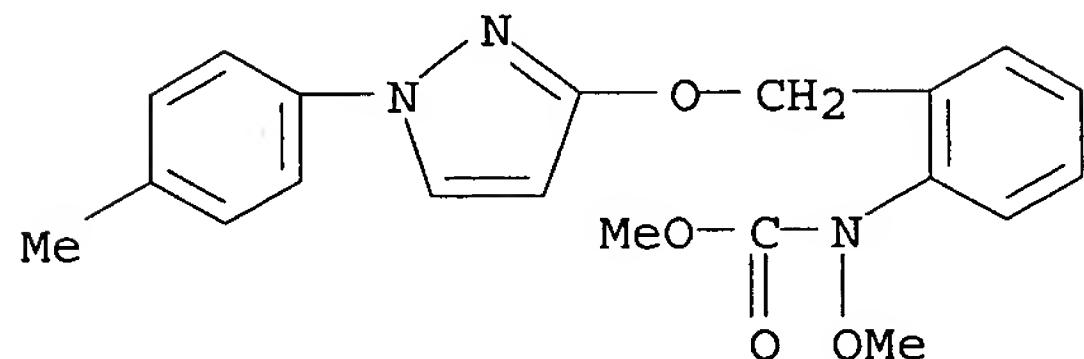
CM 1

CRN 220899-03-6
CMF C19 H21 Br 05



CM 2

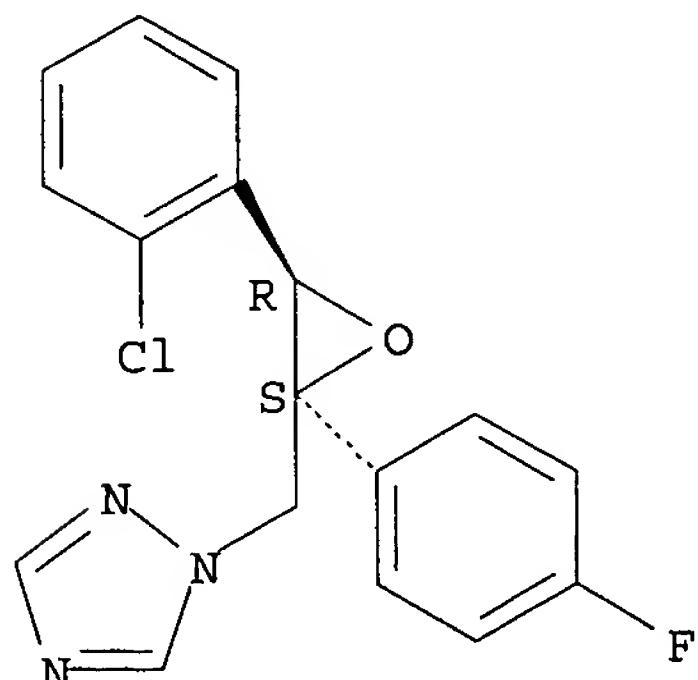
CRN 175013-22-6
CMF C20 H21 N3 O4



CM 3

CRN 133855-98-8
CMF C17 H13 Cl F N3 O

Relative stereochemistry.



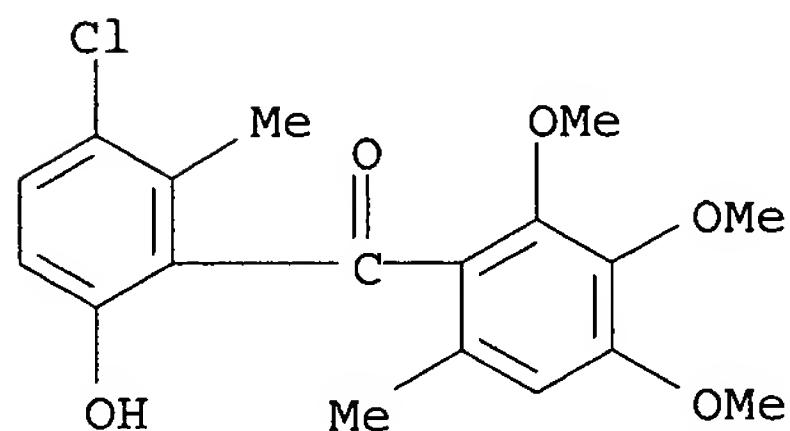
RN 443102-54-3 CAPLUS
CN Carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester, mixt. with (3-chloro-6-hydroxy-2-methylphenyl) (2,3,4-trimethoxy-6-

methylphenyl) methanone and *rel*-1-[(2*R*,3*S*)-3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl]-1*H*-1,2,4-triazole (9CI) (CA INDEX NAME)

CM 1

CRN 252955-12-7

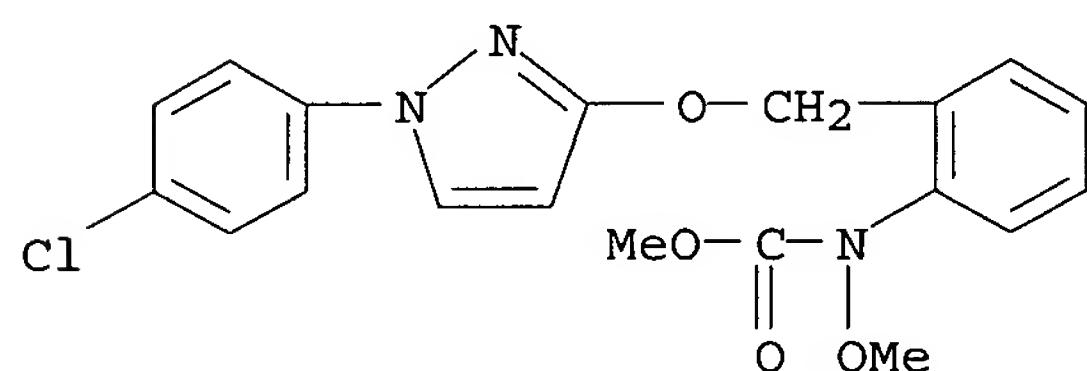
CMF C18 H19 Cl 05



CM 2

CRN 175013-18-0

CMF C19 H18 Cl N3 O4

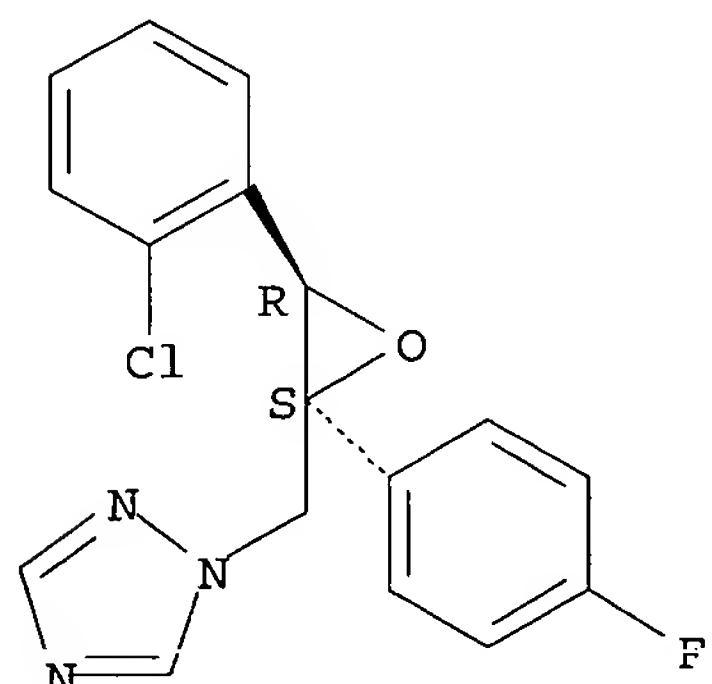


CM 3

CRN 133855-98-8

CMF C17 H13 Cl F N3 O

Relative stereochemistry.



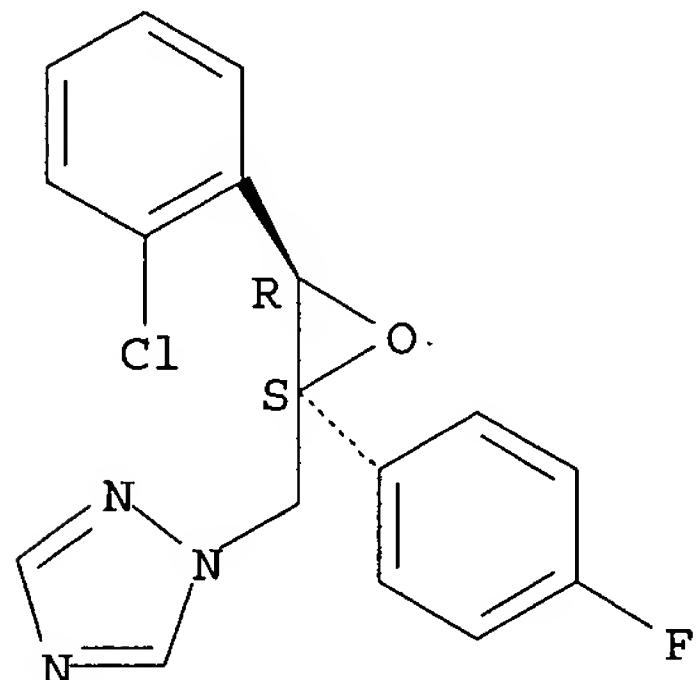
REFERENCE COUNT:

4

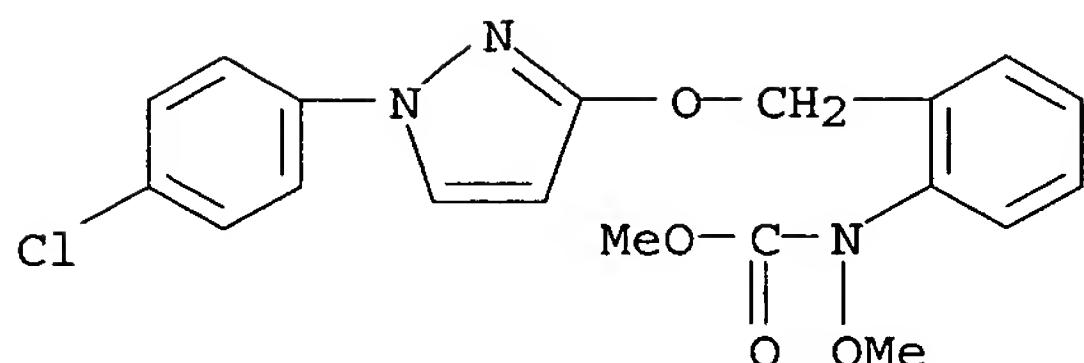
THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 23 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2002:106491 CAPLUS
 DOCUMENT NUMBER: 136:351622
 TITLE: Evaluation of fungicides in control of spot-type net blotch on barley
 AUTHOR(S): Jayasena, K. W.; Loughman, R.; Majewski, J.
 CORPORATE SOURCE: Agriculture Western Australia, Albany, 6330, Australia
 SOURCE: Crop Protection (2002), 21(1), 63-69
 CODEN: CRPTD6; ISSN: 0261-2194
 PUBLISHER: Elsevier Science Ltd.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB Ten fungicides (pyraclostrobin, tebuconazole, flutriafol, epoxiconazole, propiconazole, triadimefon, azoxystrobin, trifloxystrobin, difenoconazole and a mixture of propiconazole with iprodione) were evaluated as single applications for control of spot-type net blotch of barley caused by Drechslera teres maculata at three locations during 1999 and 2000. Under moderate disease severity, yield losses ranged from 17-19% depending on location and under high disease severity, yield losses reached 32%. Pyraclostrobin, propiconazole and a mixture of propiconazole with iprodione were the most effective in controlling disease, improving yield and grain quality. These fungicides show most promise as com. treatments when yield and quality are taken into account. Azoxystrobin, trifloxystrobin, difenoconazole and epoxiconazole also provided disease control.
 IT 133855-98-8, Epoxiconazole 175013-18-0, (Pyraclostrobin
 RL: BSU (Biological study, unclassified); BIOL (Biological study)
 (fungicides in control of spot-type net blotch on barley)
 RN 133855-98-8 CAPLUS
 CN 1H-1,2,4-Triazole, 1-[[[2R,3S]-3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



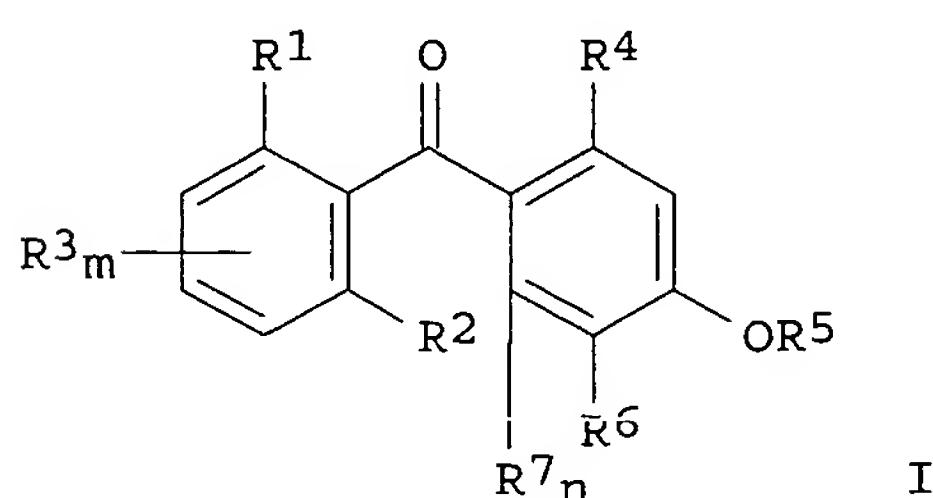
RN 175013-18-0 CAPLUS
 CN Carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 24 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2000:534803 CAPLUS
 DOCUMENT NUMBER: 133:131168
 TITLE: Synergistic fungicidal mixtures
 INVENTOR(S): Van Tuyl Cotter, Henry; Reichert, Gunter; Sieverding, Ewald; Jegerings, Petrus Martinus Franciscus Emanuel
 PATENT ASSIGNEE(S): American Cyanamid Co., USA; BASF AG
 SOURCE: Eur. Pat. Appl., 48 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|-------------------|-----------------|------------|
| EP 1023834 | A1 | 20000802 | EP 2000-300637 | 20000128 |
| EP 1023834 | B1 | 20040407 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO | | | | |
| US 6346535 | B1 | 20020212 | US 1999-240412 | 19990129 |
| US 6521628 | B1 | 20030218 | US 2000-492440 | 20000127 |
| AT 263486 | E | 20040415 | AT 2000-300637 | 20000128 |
| PT 1023834 | T | 20040630 | PT 2000-300637 | 20000128 |
| ES 2218066 | T3 | 20041116 | ES 2000-300637 | 20000128 |
| US 2002099062 | A1 | 20020725 | US 2002-46190 | 20020116 |
| US 6498194 | B2 | 20021224 | | |
| US 2002099063 | A1 | 20020725 | US 2002-46197 | 20020116 |
| US 6734202 | B2 | 20040511 | | |
| PRIORITY APPLN. INFO.: | | | US 1999-117725P | P 19990129 |
| | | | US 1999-240412 | A 19990129 |
| OTHER SOURCE(S): | | MARPAT 133:131168 | | |
| GI | | | | |



AB The title compns. comprise a benzophenone derivative mixed with at least one fungicide selected from a ergosterol biosynthesis inhibitor, a strobilurine derivative, a melanin biosynthesis inhibitor, a compound selected from acibenzolar, benomyl, captan, carboxin, chlorothalonil, copper, cyprodinil, dinocap, dithianon, dimethomorph, dodine, ethirimol, famoxadone, fenpiclonil, fluazinam, mancozeb, metalaxyl, pyrifenox, sulfur, vinclozolin, and/or an azolopyrimidine derivative (Markush given). The benzophenone derivative is I [R1 = OH, halo or (un)substituted alkyl, alkanoyloxy or alkoxy; R2 = halo or (un)substituted alkyl; R3 = halo, NO₂ or (un)substituted alkyl or alkoxy; R4 = halo, CN, OH, CO₂H, NH₂, NO₂, or (un)substituted alkyl, alkoxy, alkenyl, alkylthio, alkylsulfinyl or alkylsulfonyl; R5 = (un)substituted alkyl; R6 = halo, NO₂, (un)substituted alkyl, alkoxy, aryloxy, etc.; R7 = halo, (un)substituted (cyclo)alkyl, alkenyl, (cyclo)alkoxy, etc.; m = 0, 1-3; n = 0 or 1].

IT 286844-54-0 286844-62-0

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic fungicidal composition)

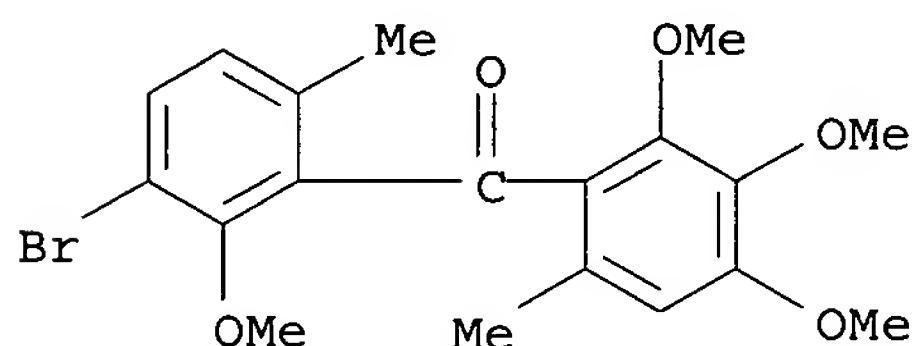
RN 286844-54-0 CAPLUS

CN Methanone, (3-bromo-2-methoxy-6-methylphenyl)(2,3,4-trimethoxy-6-methylphenyl)-, mixt. with rel-1-[(2R,3S)-3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl]-1H-1,2,4-triazole (9CI) (CA INDEX NAME)

CM 1

CRN 286837-21-6

CMF C19 H21 Br 05

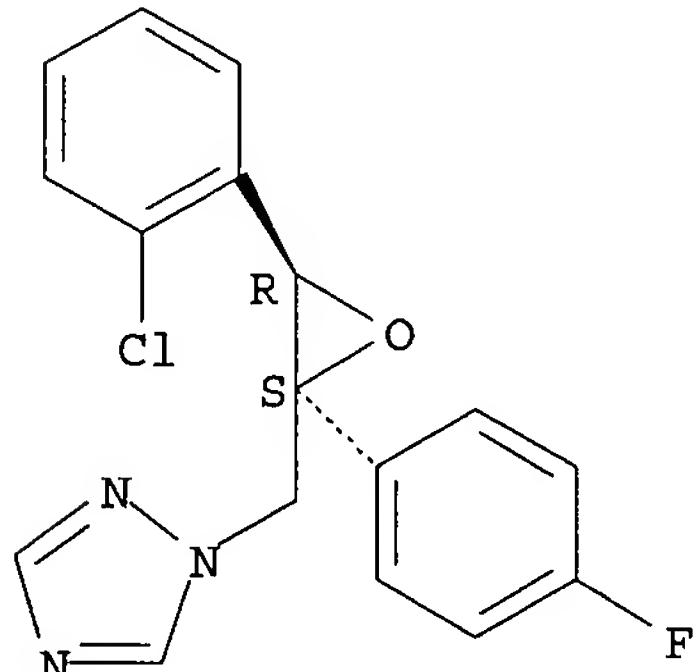


CM 2

CRN 133855-98-8

CMF C17 H13 Cl F N3 O

Relative stereochemistry.



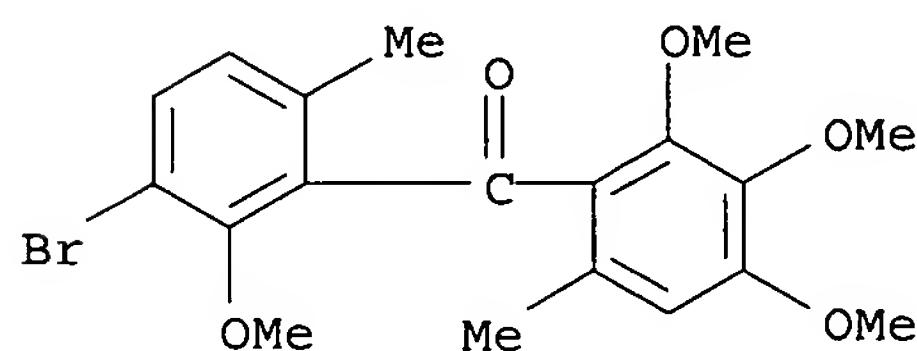
RN 286844-62-0 CAPLUS

CN Benzeneacetic acid, α -(methoxyimino)-2-[(2-methylphenoxy)methyl]-, methyl ester, (α E)-, mixt. with (3-bromo-2-methoxy-6-methylphenyl)(2,3,4-trimethoxy-6-methylphenyl)methanone and rel-1-[[[(2R,3S)-3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl]-1H-1,2,4-triazole (9CI) (CA INDEX NAME)

CM 1

CRN 286837-21-6

CMF C19 H21 Br 05

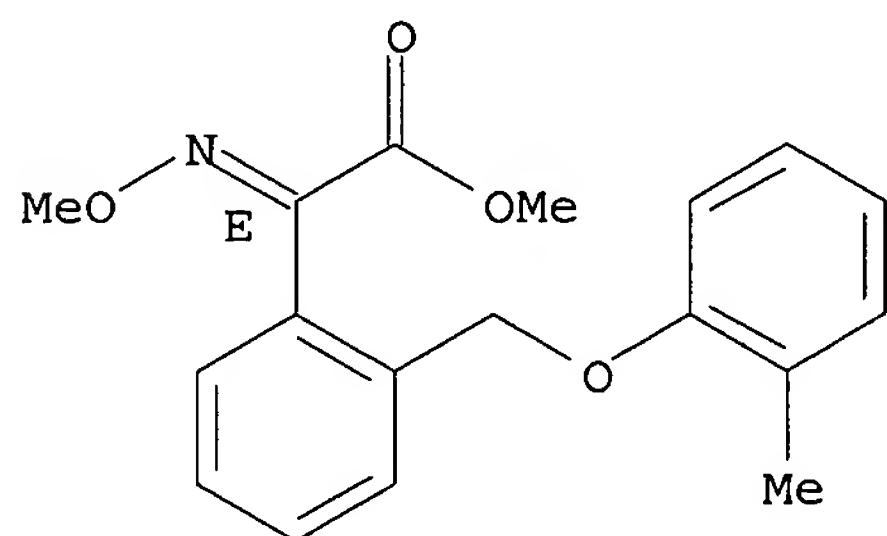


CM 2

CRN 143390-89-0

CMF C18 H19 N O4

Double bond geometry as shown.

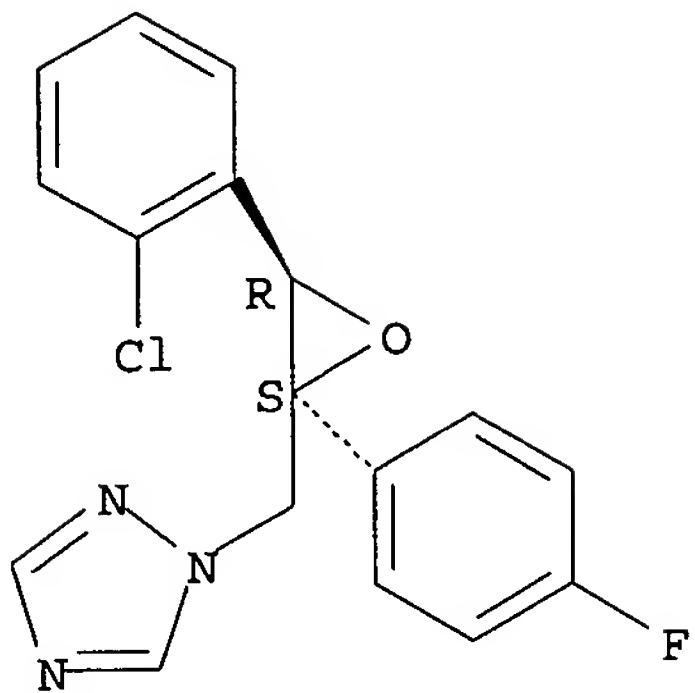


CM 3

CRN 133855-98-8

CMF C17 H13 Cl F N3 O

Relative stereochemistry.

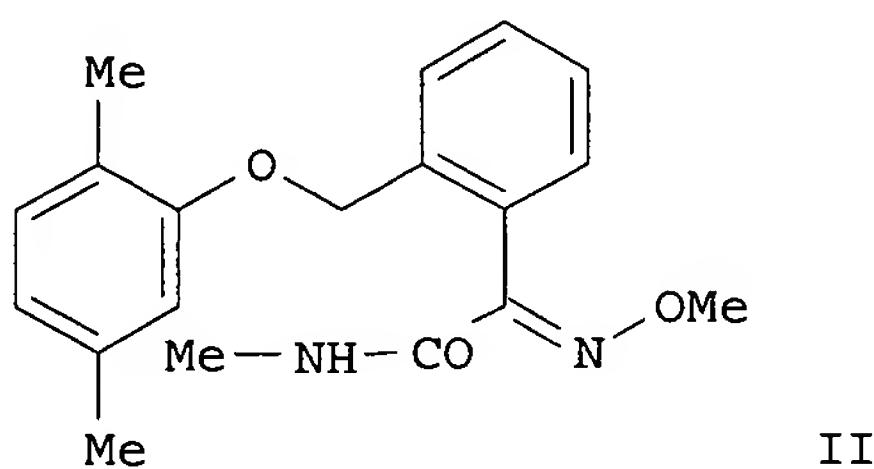
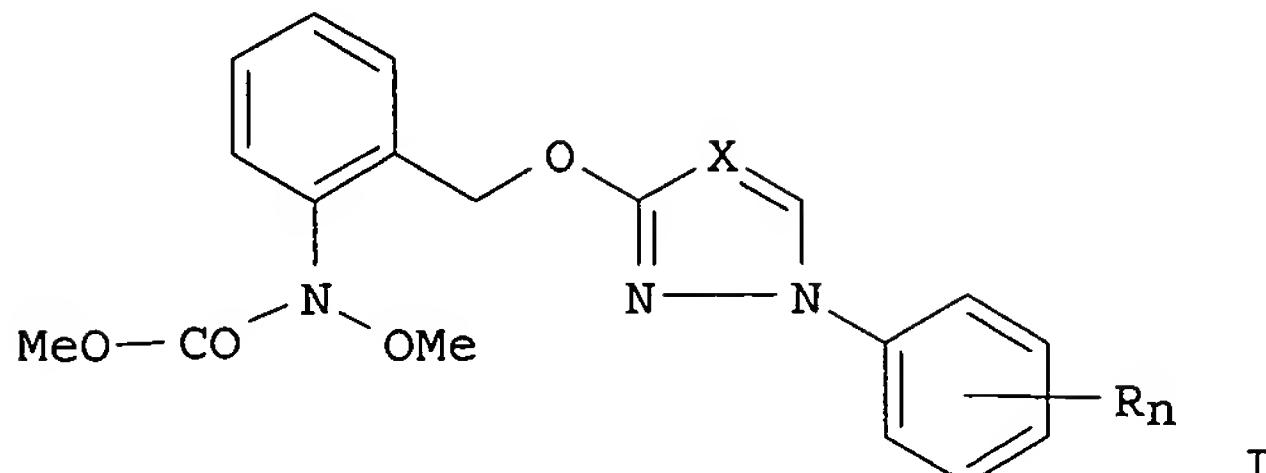


REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 25 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1998:804135 CAPLUS
 DOCUMENT NUMBER: 130:48707
 TITLE: Synergistic fungicidal mixtures
 INVENTOR(S): Schelberger, Klaus; Saur, Reinhold; Sauter, Hubert;
 Mueller, Bernd; Birner, Erich; Leyendecker, Joachim;
 Hampel, Manfred; Ammermann, Eberhard; Lorenz, Gisela;
 Strathmann, Siegfried
 PATENT ASSIGNEE(S): BASF A.-G., Germany
 SOURCE: PCT Int. Appl., 41 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|------------------|----------|
| WO 9854969 | A1 | 19981210 | WO 1998-EP2946 | 19980520 |
| W: AL, AU, BG, BR, BY, CA, CN, CZ, GE, HU, ID, IL, JP, KR, KZ, LT, LV, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TR, UA, US, AM, AZ, KG, MD, TJ, TM | | | | |
| RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| CA 2291761 | AA | 19981210 | CA 1998-2291761 | 19980520 |
| AU 9879139 | A1 | 19981221 | AU 1998-79139 | 19980520 |
| AU 749368 | B2 | 20020627 | | |
| EP 986304 | A1 | 20000322 | EP 1998-929343 | 19980520 |
| EP 986304 | B1 | 20020724 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, SI, FI | | | | |
| BR 9809720 | A | 20000711 | BR 1998-9720 | 19980520 |
| NZ 501240 | A | 20010629 | NZ 1998-501240 | 19980520 |
| JP 2002503234 | T2 | 20020129 | JP 1999-501392 | 19980520 |
| AT 220855 | E | 20020815 | AT 1998-929343 | 19980520 |
| PT 986304 | T | 20021231 | PT 1998-929343 | 19980520 |
| ES 2181237 | T3 | 20030216 | ES 1998-929343 | 19980520 |
| SK 283266 | B6 | 20030401 | SK 1999-1634 | 19980520 |
| IL 132911 | A1 | 20040620 | IL 1998-132911 | 19980520 |
| PL 189807 | B1 | 20050930 | PL 1998-337191 | 19980520 |
| ZA 9804757 | A | 19991203 | ZA 1998-4757 | 19980603 |
| TW 568751 | B | 20040101 | TW 1998-87108722 | 19980603 |
| MX 9910519 | A | 20000531 | MX 1999-10519 | 19991116 |

| | | | |
|------------------------|------------------|------------------|------------|
| US 6369090 | B1 20020409 | US 1999-424916 | 19991201 |
| PRIORITY APPLN. INFO.: | | DE 1997-19723281 | A 19970604 |
| OTHER SOURCE(S) : | MARPAT 130:48707 | WO 1998-EP2946 | W 19980520 |
| GI | | | |



AB The title ternary mixts. contain a carbamate I (X = CH or N; n = 0, 1 or 2; R = halo, alkyl or haloalkyl) or the oxime ether carboxylic acid amide II and fenpropimorph, tridemorph or fenpropidin and an azole fungicide.

IT 217299-80-4 217299-84-8

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic fungicide)

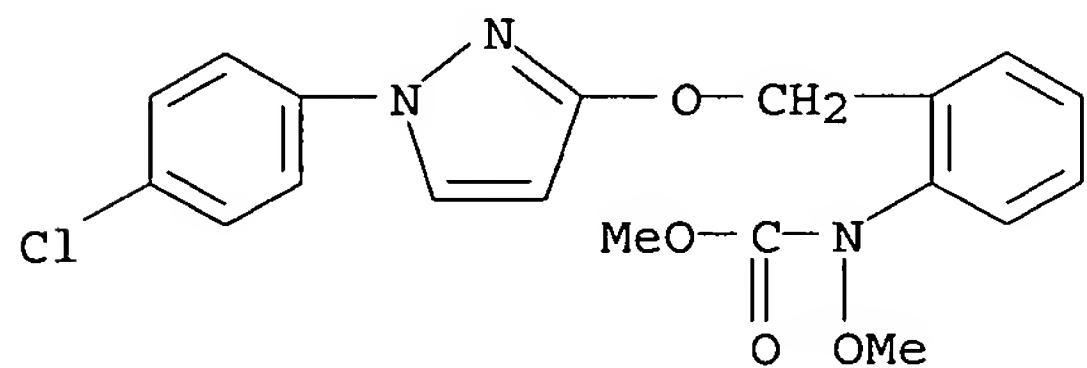
RN 217299-80-4 CAPLUS

CN Carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester, mixt. with
rel-1-[(2R,3S)-3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl]-1H-1,2,4-triazole and (2R,6S)-rel-4-[3-[4-(1,1-dimethylethyl)phenyl]-2-methylpropyl]-2,6-dimethylmorpholine (9CI) (CA INDEX NAME)

CM 1

CRN 175013-18-0

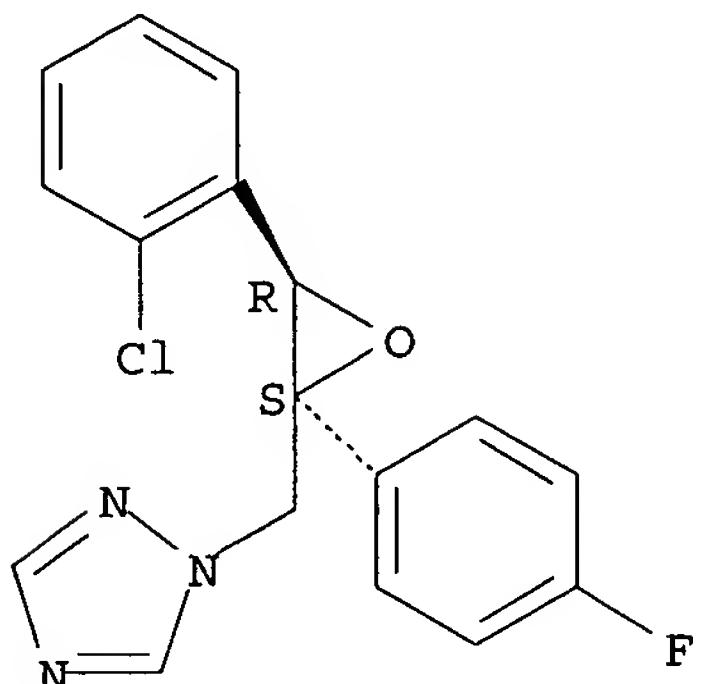
CMF C19 H18 Cl N3 O4



CM 2

CRN 133855-98-8
 CMF C17 H13 Cl F N3 O

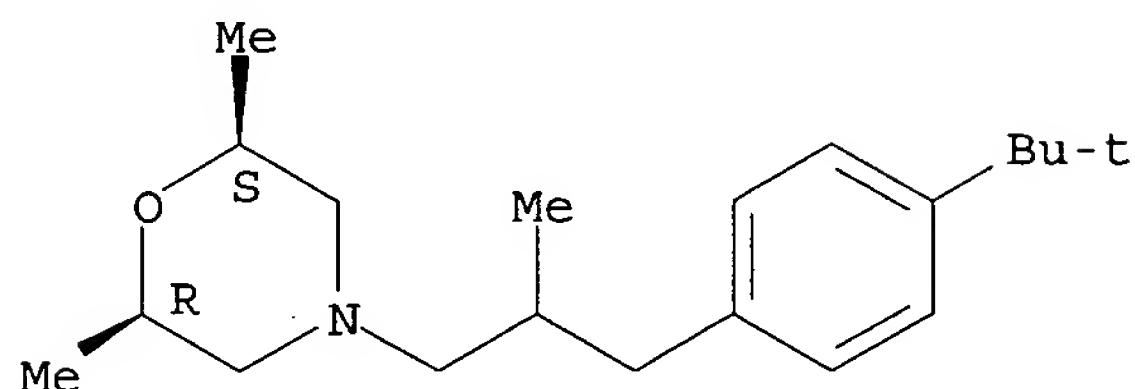
Relative stereochemistry.



CM 3

CRN 67564-91-4
 CMF C20 H33 N O

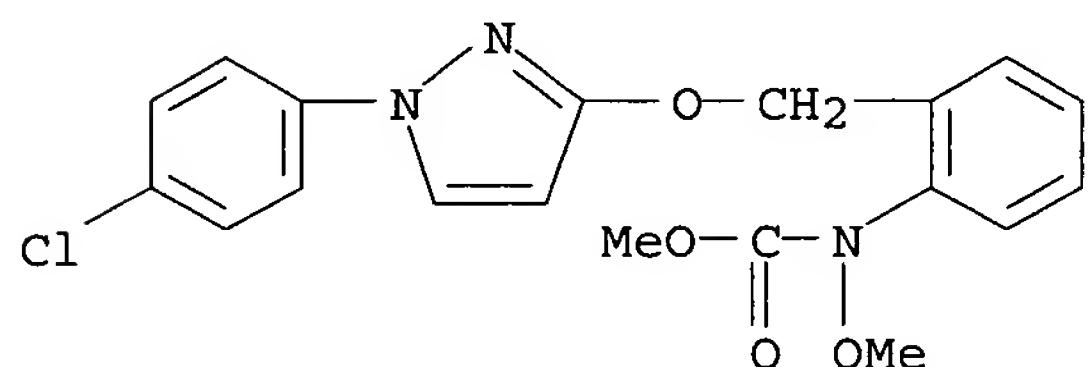
Relative stereochemistry.



RN 217299-84-8 CAPLUS
 CN Carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester, mixt. with
 rel-1-[[[(2R,3S)-3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl]-1H-1,2,4-triazole and tridemorph (9CI) (CA INDEX NAME)

CM 1

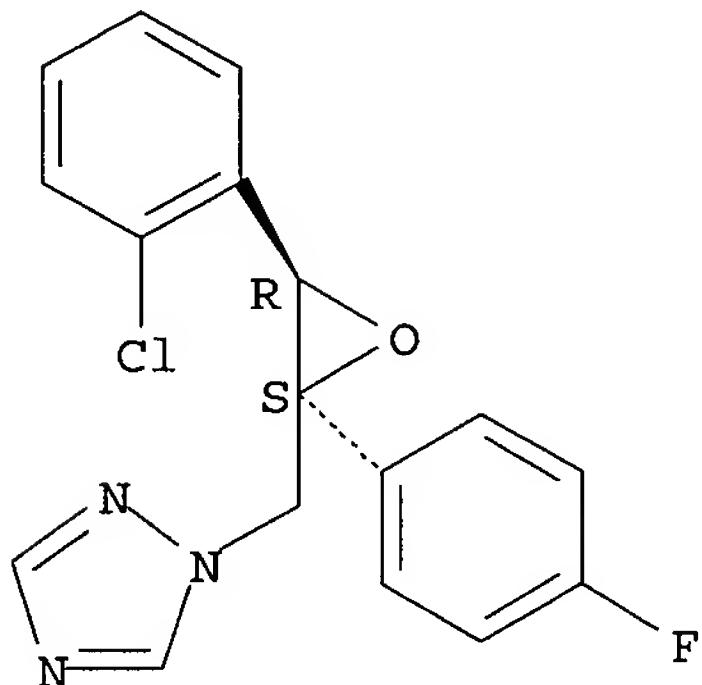
CRN 175013-18-0
 CMF C19 H18 Cl N3 O4



CM 2

CRN 133855-98-8
 CMF C17 H13 Cl F N3 O

Relative stereochemistry.



CM 3

CRN 81412-43-3
 CMF Unspecified
 CCI MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
 REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 26 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1997:740082 CAPLUS
 DOCUMENT NUMBER: 128:1203
 TITLE: Synergistic fungicide mixture
 INVENTOR(S): Mueller, Bernd; Sauter, Hubert; Ammermann, Eberhard;
 Lorenz, Gisela; Strathmann, Siegfried; Saur, Reinhold;
 Schelberger, Klaus; Leyendecker, Joachim
 PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
 SOURCE: PCT Int. Appl., 31 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|----------|
| WO 9740688 | A1 | 19971106 | WO 1997-EP2047 | 19970423 |
| W: AU, BG, BR, CA, CN, CZ, GE, HU, IL, JP, KR, LV, MX, NO, NZ, PL, RO, SG, SI, SK, TR, UA, US, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| CA 2252677 | AA | 19971106 | CA 1997-2252677 | 19970423 |
| AU 9727683 | A1 | 19971119 | AU 1997-27683 | 19970423 |
| AU 732260 | B2 | 20010412 | | |
| ZA 9703476 | A | 19981023 | ZA 1997-3476 | 19970423 |
| EP 900021 | A1 | 19990310 | EP 1997-921705 | 19970423 |
| EP 900021 | B1 | 20020619 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, SI | | | | |

| | | | | |
|------------------------|----|------------------|------------------|----------|
| CN 1216443 | A | 19990512 | CN 1997-194054 | 19970423 |
| BR 9708873 | A | 19990803 | BR 1997-8873 | 19970423 |
| JP 2000509061 | T2 | 20000718 | JP 1997-538550 | 19970423 |
| IL 126231 | A1 | 20001206 | IL 1997-126231 | 19970423 |
| AT 219328 | E | 20020715 | AT 1997-921705 | 19970423 |
| PT 900021 | T | 20021129 | PT 1997-921705 | 19970423 |
| SK 282834 | B6 | 20021203 | SK 1998-1442 | 19970423 |
| ES 2179330 | T3 | 20030116 | ES 1997-921705 | 19970423 |
| CZ 291460 | B6 | 20030312 | CZ 1998-3291 | 19970423 |
| PL 187929 | B1 | 20041130 | PL 1997-329521 | 19970423 |
| TW 427880 | B | 20010401 | TW 1997-86105439 | 19970425 |
| US 6180638 | B1 | 20010130 | US 1998-171648 | 19981022 |
| US 6245792 | B1 | 20010612 | US 2000-702123 | 20001031 |
| PRIORITY APPLN. INFO.: | | | | |
| | | DE 1996-19616717 | A | 19960426 |
| | | DE 1996-19617074 | A | 19960429 |
| | | DE 1996-19617075 | A | 19960429 |
| | | DE 1996-19618676 | A | 19960509 |
| | | WO 1997-EP2047 | W | 19970423 |
| | | US 1998-171648 | A3 | 19981022 |

OTHER SOURCE(S) : MARPAT 128:1203
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB This invention concerns a fungicide mixture containing in synergistically effective quantities a carbamate I [T = CH or N; n = 0, 1 or 2; R = halo or (halo)alkyl] and an oxime ether II [X = O or NH; Y = CH or N; Z = O, S, NH or alkyl amino; R1 = (halo)alkyl, (halo)alkenyl, (halo)alkynyl, cycloalkylmethyl or (un)substituted benzyl] or the oxime ether carboxylic ester III, the oxime ether carboxylic acid amide IV, the methoxyacrylic acid ester V, bromuconazole, cyproconazole, difenoconazole, diniconazole, epoxiconazole, fenbuconazole, fluquinconazole, flusilazol, hexaconazole, metconazole, prochloraz, propiconazole, tebuconazole, tetriconazole, triflumizol flutriafol, or myclobutanil.

IT 198697-58-4

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic fungicide)

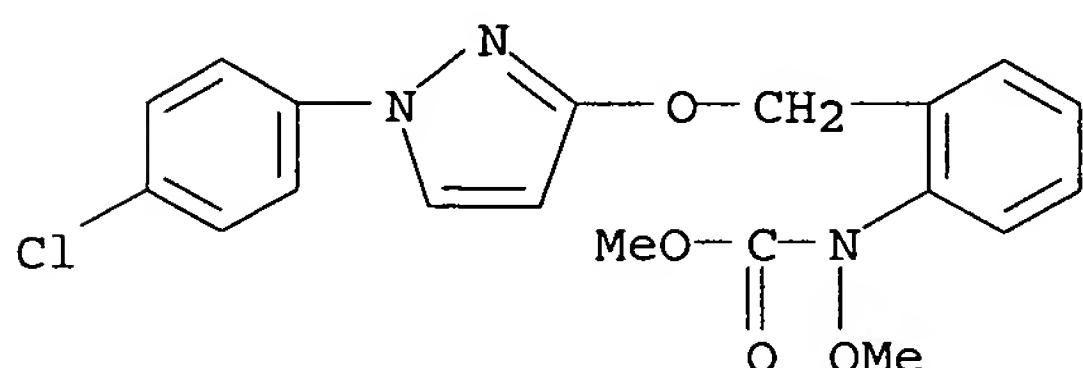
RN 198697-58-4 CAPLUS

CN Carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester, mixt. with
rel-1-[(2R,3S)-3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl]-1H-1,2,4-triazole (9CI) (CA INDEX NAME)

CM 1

CRN 175013-18-0

CMF C19 H18 Cl N3 O4



CM 2

CRN 133855-98-8

CMF C17 H13 Cl F N3 O

Relative stereochemistry.

